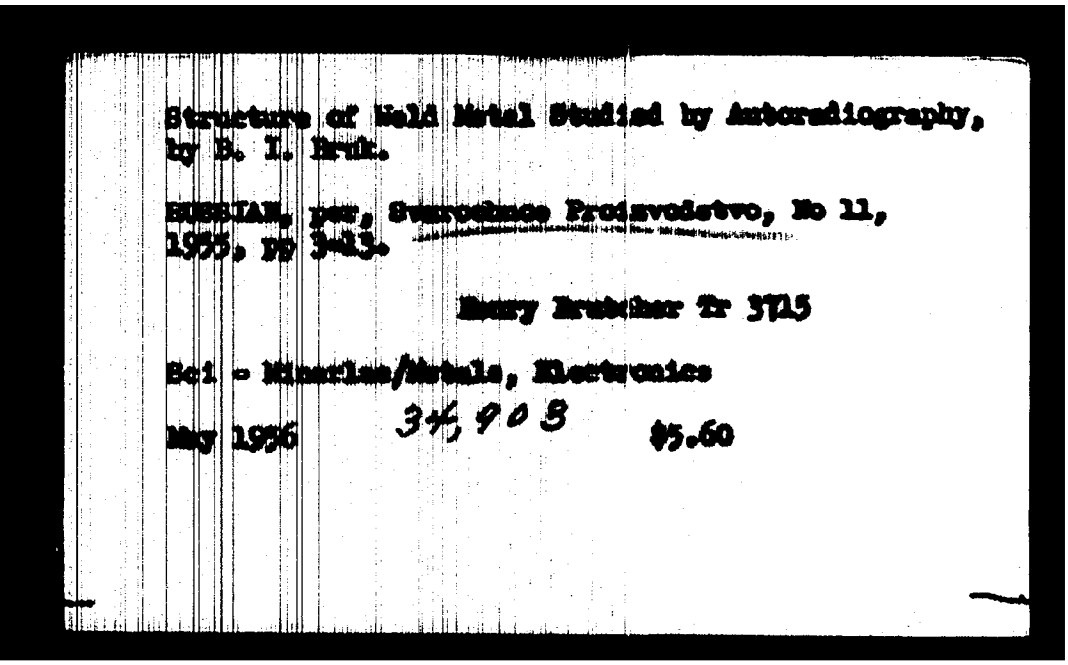
APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Structure of NaK Metal Studied by Autoradiography,
by B. I. Brik.

RUSSIAN, per, Svarochnoye Proizvodstvo, No 11,
1955, pp 3-43.

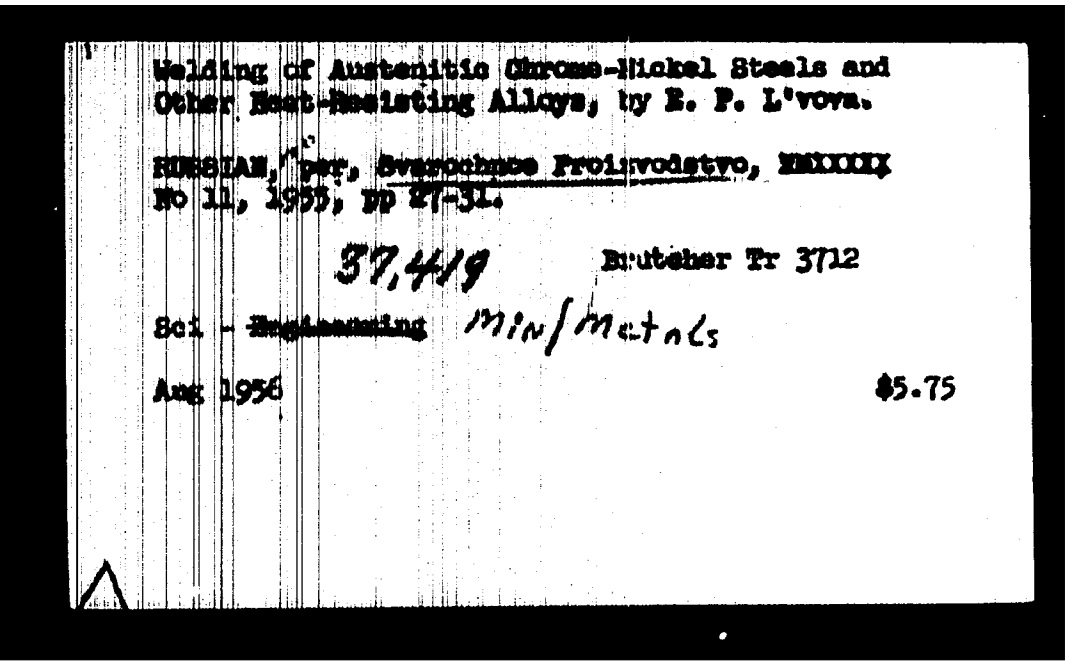
Mary Krabbar Tr 3715

Sol - Minerals/Metals, Electronics

May 1956 34,903 $5.60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Welding of Austenitic Chrome-Nickel Steels and Other Heat-Resisting Alloys, by E. P. L'vova.

RUSSIAN, Per. Svarochnoe Proizvodstvo, XXXXXX No 11, 1955, pp 27-31.

37,419 Brutcher Tr 3712

Sci - ~~Engineering~~ Min/Metals

Aug 1956 $5.75

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

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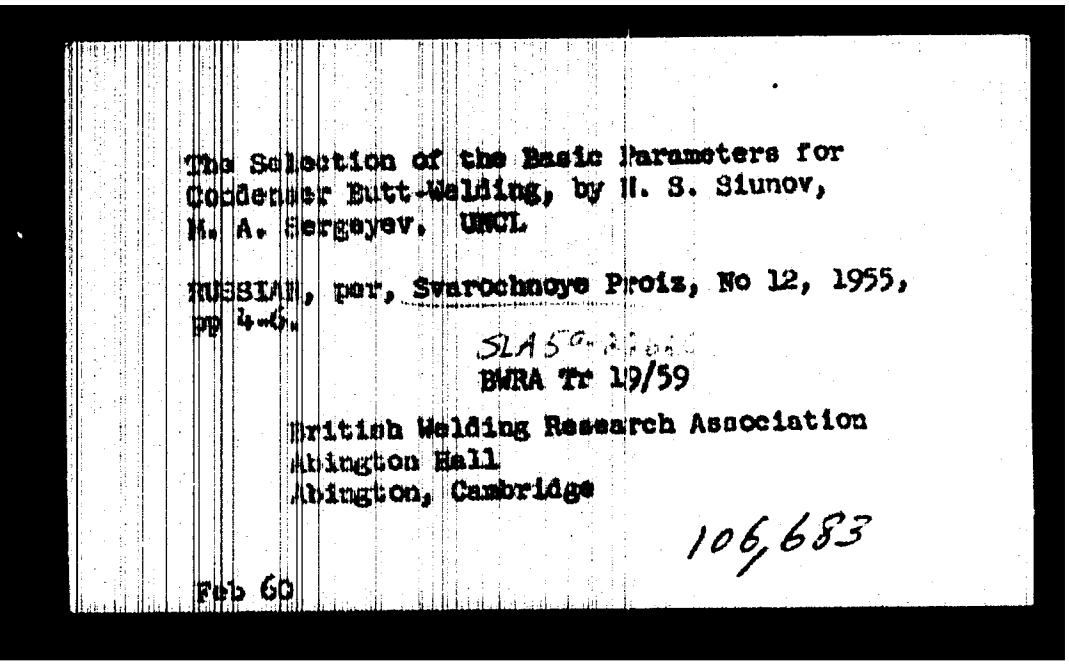


The Selection of the Basic Parameters for Condenser Butt-Welding, by N. S. Siunov, M. A. Sergeyev, UNCL

RUSSIAN, per, Svarochnoye Proiz, No 12, 1955, pp 4-6.

SLA 5[illegible]
BWRA Tr 19/59

British Welding Research Association
Abington Hall
Abington, Cambridge

106,683

Feb 60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Methods of Evaluating the Brittle Fracture Susceptibility of Steel Used in Welded Storage Tanks, by A. S. Fal'kevich, L. S. Livshits, S. I. Panich, 6 pp.

RUSSIAN, no per, Svarochnoye Proizvodstvo, No 12, 1955, pp 8-10.

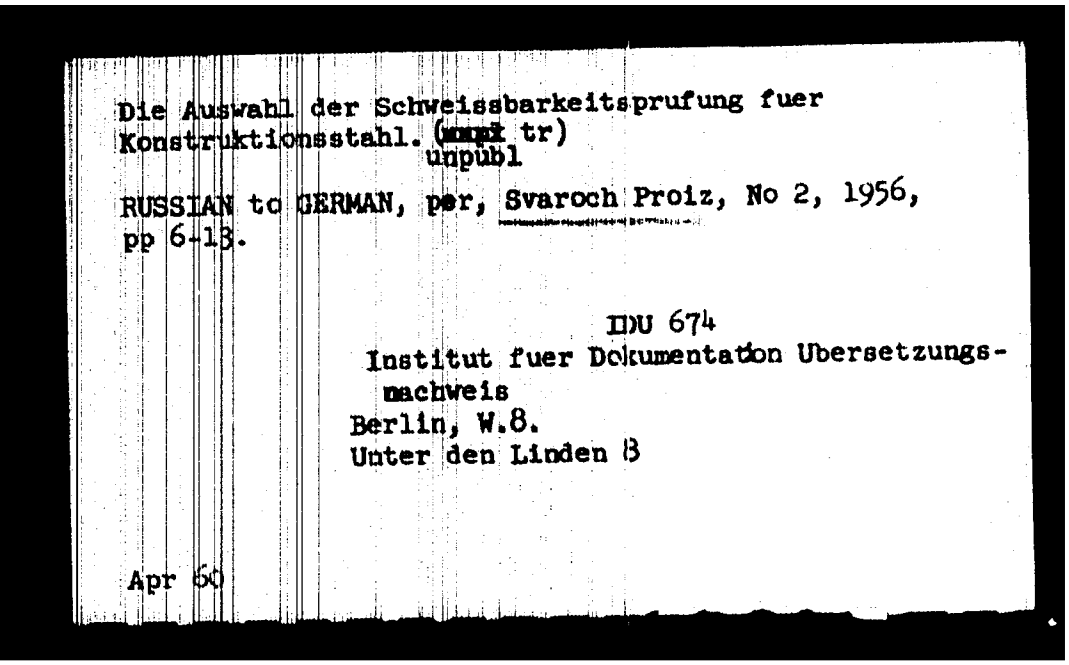
CIA/FDD L-250

39,506

Sci - Min/metals

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Die Auswahl der Schweissbarkeitsprufung fuer Konstruktionsstahl. (~~engl~~ tr)
unpubl

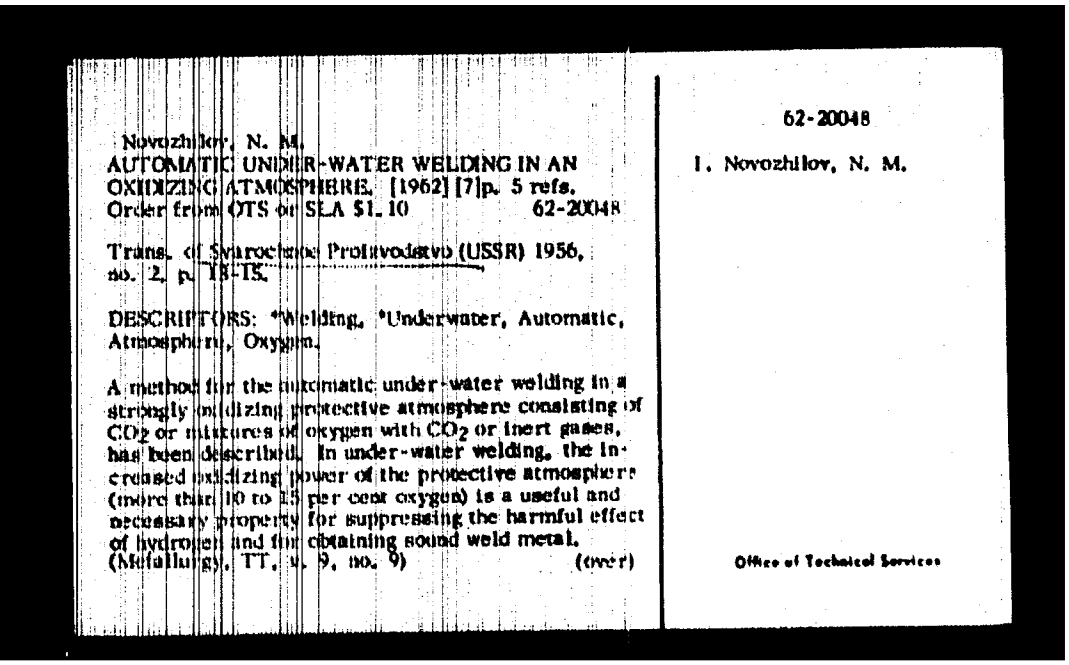
RUSSIAN to GERMAN, per, Svaroch Proiz, No 2, 1956, pp 6-13.

IDU 674
Institut fuer Dokumentation Ubersetzungs-nachweis
Berlin, W.8.
Unter den Linden 3

Apr 60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Novozhilov, N. M.
AUTOMATIC UNDER-WATER WELDING IN AN OXIDIZING ATMOSPHERE. [1962] [7]p. 5 refs.
Order from OTS or SLA $1.10 62-20048

Trans. of Svarochnoe Proizvodstvo (USSR) 1956, no. 2, p. 13-15.

DESCRIPTORS: *Welding, *Underwater, Automatic, Atmospheric, Oxygen.

A method for the automatic under-water welding in a strongly oxidizing protective atmosphere consisting of CO_2 or mixtures of oxygen with CO_2 or inert gases, has been described. In under-water welding, the increased oxidizing power of the protective atmosphere (more than 10 to 15 per cent oxygen) is a useful and necessary property for suppressing the harmful effect of hydrogen and for obtaining sound weld metal. (Metallurgy), TT, v. 9, no. 9) (over)

62-20048

1. Novozhilov, N. M.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Attainability of Equilibrium in Welding,
Studied With Radio-Isotopes, by B. I. Bruk.

RUSSIAN, per, Svar Proiz, No 3, 1956, pp 1-4.

Language Sv Bu

Jol - Chem

Nov 60

131, 307

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Fundamental Correlations Concerning the Transfer of Alloying Elements From Electrode Into Weld in the Arc Welding and Facing of Steel, by A. A. Erokhin.

RUSSIAN, per, Svarochnoy Proiz, No 4, 1956, pp 4-12.

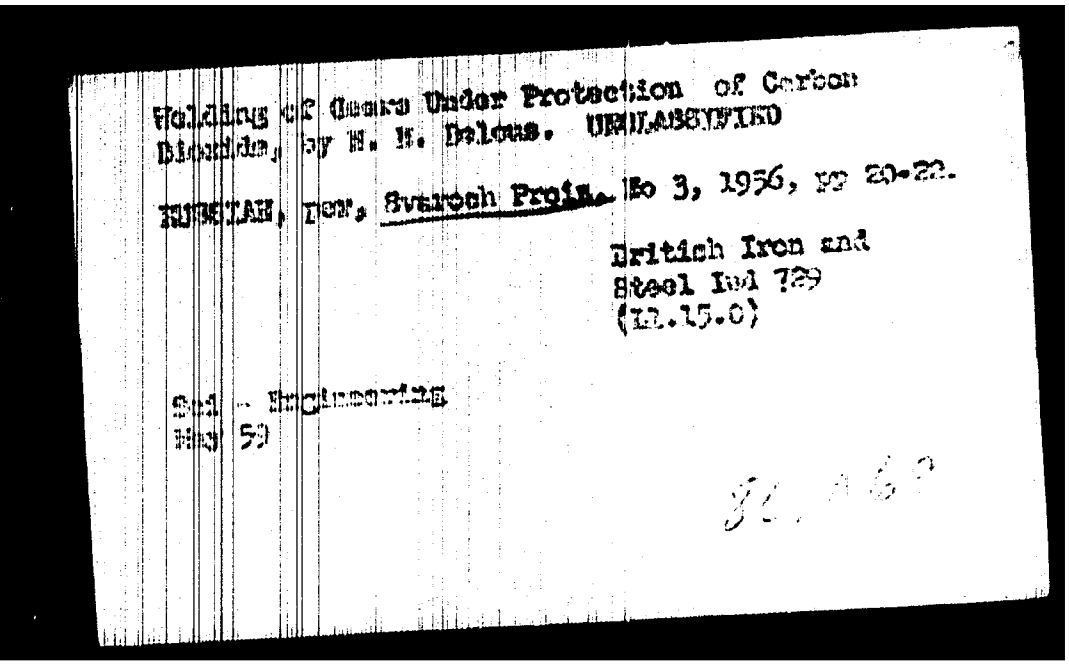
HB 3823

Sci + Min/Met

Oct 60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Welding of Ducts Under Protection of Carbon Dioxide, by H. H. Helous. UNCLASSIFIED

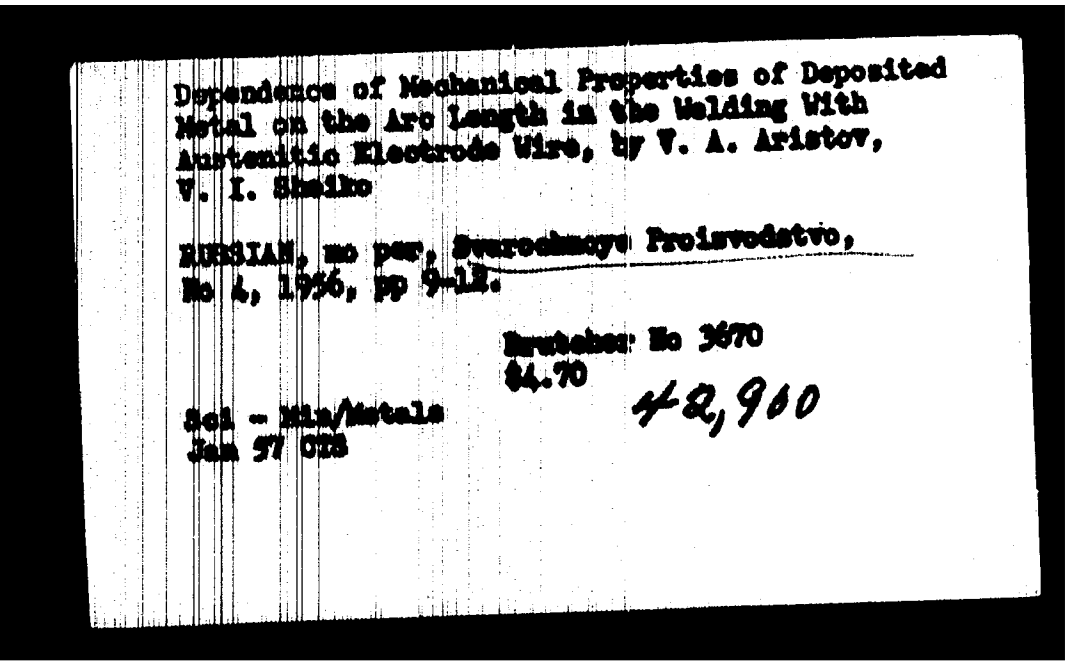
SVETSAN, Ger., Svarsch Prois. No 3, 1956, pp 20-22.

British Iron and Steel Inst 729 (12.15.0)

Sci - Engineering May 59

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Dependence of Mechanical Properties of Deposited Metal on the Arc Length in the Welding With Austenitic Electrode Wire, by V. A. Aristov, V. I. Shalko

RUSSIAN, no per, Svarochnoye Proizvodstvo, No 4, 1956, pp 9-12.

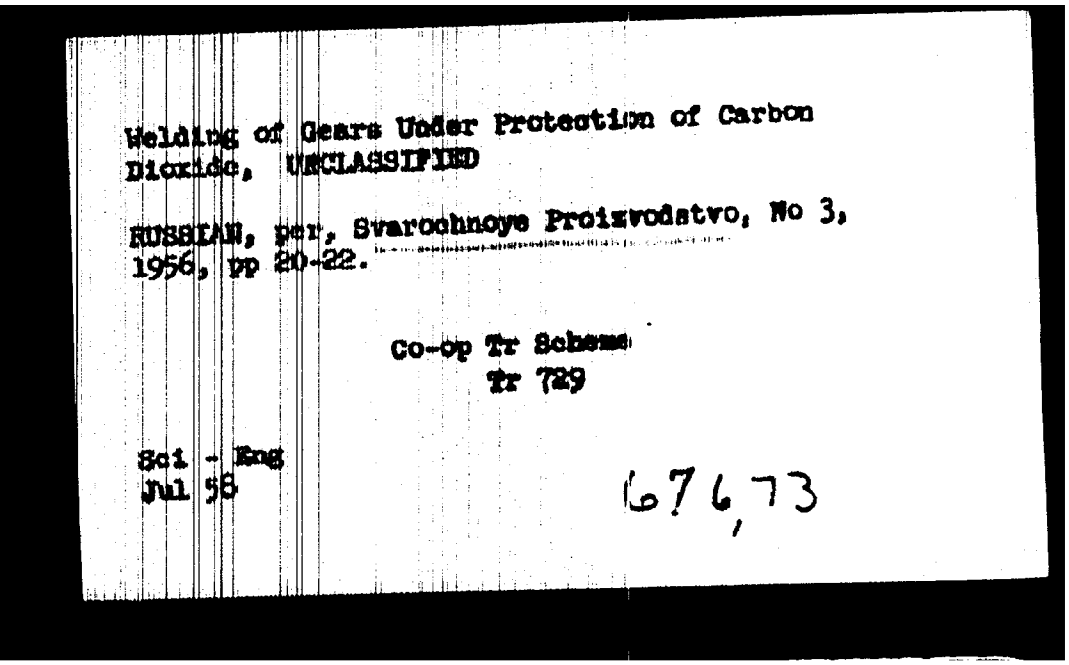
Brutcher: No 3670
$4.70

42,960

Sci - Min/Metals
Jan 57 OTS

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Welding of Gears Under Protection of Carbon Dioxide, UNCLASSIFIED

RUSSIAN, per, Svarochnoye Proizvodstvo, No 3, 1956, pp 20-22.

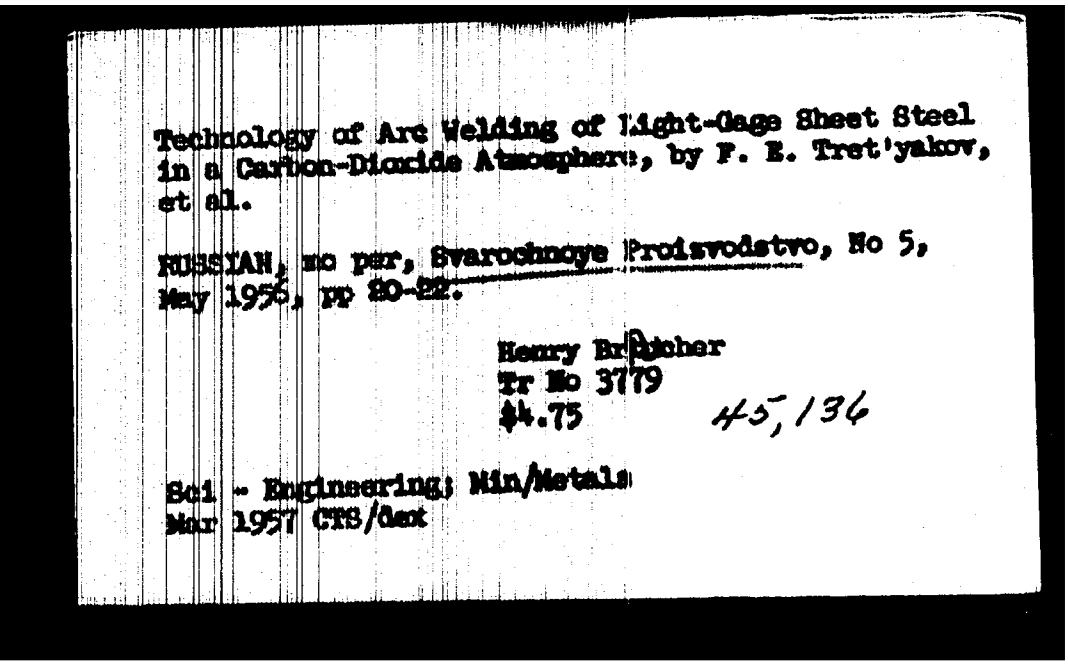
Co-op Tr Scheme
Tr 729

Sci - Eng
Jul 58

67673

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Technology of Arc Welding of Light-Gage Sheet Steel in a Carbon-Dioxide Atmosphere, by F. E. Tret'yakov, et al.

RUSSIAN, no per, Svarochnoye Proizvodstvo, No 5, May 1956, pp 20-22.

Henry Brutcher
Tr No 3779
$4.75 45,136

Sci - Engineering; Min/Metals
Mar 1957 CTS/dmt

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

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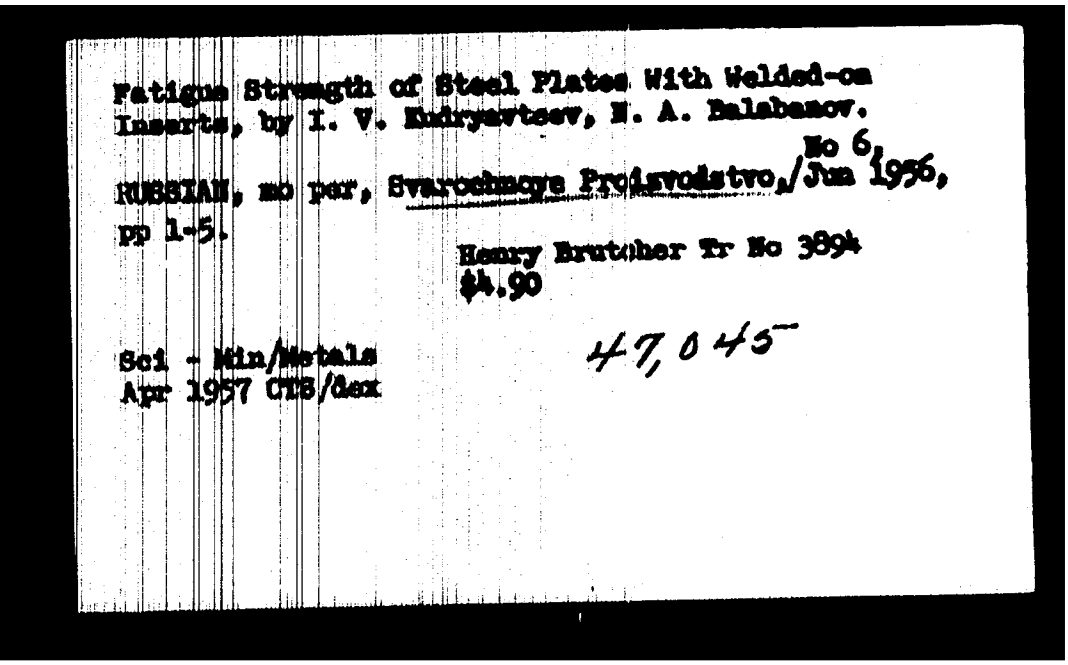


Fatigue Strength of Steel Plates With Welded-on Inserts, by I. V. Kudryavtsev, N. A. Balabanov.

RUSSIAN, mo per, Svarochnoye Proizvodstvo, No 6, Jun 1956, pp 1-5.

Henry Brutcher Tr No 3894
$4.90

47,045

Sci - Min/Metals
Apr 1957 CTS/dex

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

THE PROBLEM OF THE STRENGTH OF METALS WHILST SOLIDIFYING DURING WELDING, BY N. N. PROKHOROV.

RUSSIAN, PER, SVAROCHNOE PROIZ, NO 6, 1956, PP 5-11.

NLL RTS 2062

SCI - M/M

OCT 62

214,802

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Torsion Testing of Spot Welds, by B. D. Orlov, P. L. Chaloshnikov.

RUSSIAN, sb per, Svarochnoye Proizvodstvo, No 6, Jun 1956, pp 20, 21.

Henry Brutcher
Tr 3895
$2.75

Sci - Min/Metals, metallurgy
Aug 57

50,727

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Torsional Test of Welded Spots, by I. I. Orlov, P. L. Chuloshnikov

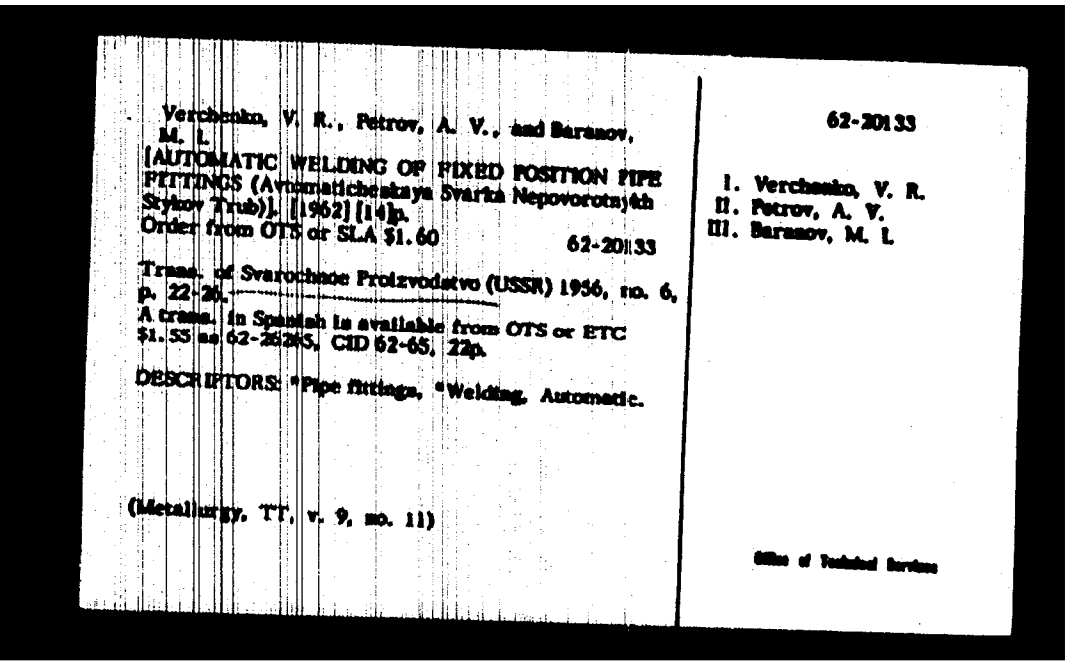
RUSSIAN, Tor, Svarochnoye Proizvodstva, No. 6, 1956, pp 20-21.

*FTD-MT-62-76

Sci/Engr
Dec 62

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Verchenko, V. R., Petrov, A. V., and Baranov, M. L.
[AUTOMATIC WELDING OF FIXED POSITION PIPE FITTINGS (Avtomaticheskaya Svarka Nepovorotnykh Stykov Trub)]. [1962] [14]p.
Order from OTS or SLA $1.60 62-20133

Trans. of Svarochnoe Proizvodstvo (USSR) 1956, no. 6, p. 22-26.
A trans. in Spanish is available from OTS or ETC $1.55 as 62-28265, CID 62-65, 22p.

DESCRIPTORS: *Pipe fittings, *Welding, Automatic.

(Metallurgy, TT, v. 9, no. 11)

62-20133

I. Verchenko, V. R.
II. Petrov, A. V.
III. Baranov, M. L.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Automatic Argonarc Welding of Stainless Steels With Consumable Electrodes in Various Positions, by A. M. Akulov, N. Yu. Pal'chuk.

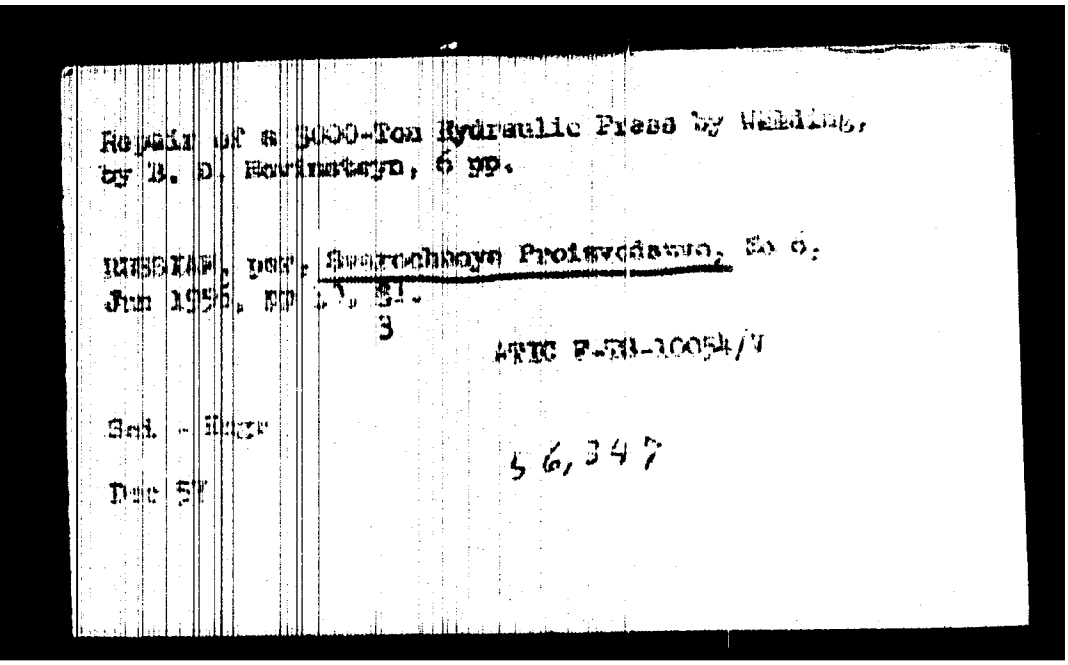
RUSSIAN, mo per, Svarochnoye Proizvodstvo, No 6, Jun 1956, pp 27-29.

Henry Brutcher
Tr 3906
$3.90

Sci - Min/Metals, metallurgy 50,732
Aug 57

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Repair of a 3000-Ton Hydraulic Press by Welding,
by B. D. Kovtunenyn, 6 pp.

RUSSIAN, pub. Avtogennoye Proizvodstvo, No 6,
Jun 1956, pp 17, 21.

3

ATIC P-TR-10054/V

Sol. - Mech

Dec 57

56,347

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Novoshilov, N. M. and Sokolova, A. M.
CO_2-SHIELDED SPOT WELDING. [1962] 10p. 4 refs.
Order from OTS or SLA $1.10 62-20021

Trans. of Svarochnoe Proizvodstvo (USSR) 1956 [no. 7] p. 10-13.

DESCRIPTORS: *Spot welding, *Carbon dioxide, Fluxes (Fusion), Joints.

The spot welds made with this method have, compared to similar welds made with the submerged arc process, a more desirable shape as far as depth of fusion and weld reinforcement is concerned. With the CO_2-shielded spot welding process sheets of greater thickness can be spot welded than with the flux process. The strength of CO_2-shielded spot welds is no way inferior to that of flux-shielded spot welds. (Author)

(Metallurgy, TT. v. 9, no. 12)

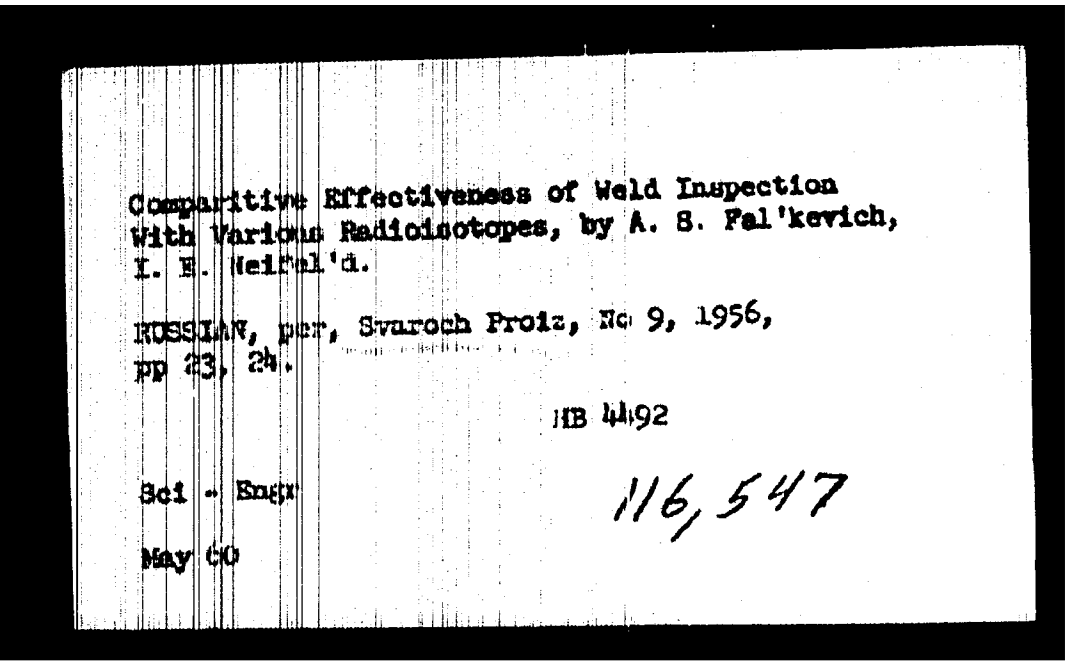
62-20021

I. Novoshilov, N. M.
II. Sokolova, A. M.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Comparitive Effectiveness of Weld Inspection With Various Radioisotopes, by A. S. Fal'kevich, I. E. Neifel'd.

RUSSIAN, per, Svaroch Proiz, No 9, 1956, pp 23, 24.

HB 4492

Sci - Engr

May 60

116,547

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Savchenkol, V. A.
[THE MEANS OF COMBATTING THE POROSITY AND THE FORMATION OF WELD CRACKING ENCOUNTERED IN FLUX-SHIELDED AUTOMATIC ALUMINUM WELDING] (Bor'ba s Porami i Goryachimi Treshchinami pri Avtomaticheskoi Svarke Alyuminiya). [1962] [14]p. 6 refs.
Order from OTS or SLA $1.60 62-20132

Trans. of Svarochnoe Proizvodstvo (USSR) 1956, no. 10 [p. 9-15].

DESCRIPTORS: *Aluminum, *Welding, Welding fluxes, *Welds, Fracture (Mechanics), Porosity.

The mechanical properties of aluminum joints made by flux-shielded automatic welding are not different from those made by gas welding, manual arc welding, and automatic argon-shielded arc welding. The principal
(Metallurgy, TT, v. 10, no. 1) (over)

62-20132

I. Savchenkol, V. A.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Properties of Welds Made Under Argon and Carbon Dioxide, by E. M. Eskin, E. P. Pogozhin, N. M. Novoshilov.

RUSSIAN, mo per, Svarochnoye Proizvodstvo, No 1, Jun 1957, pp 15-17.

Henry Brutcher Tr 3947
$4.90

Sci - Min/Metals, Chem
Aug 57

50,650

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Pashkov, I. V. and Lyulenkov, G. G.
FIRST APPLICATIONS OF ALUMINUM SUBMERGED ARC WELDING. [1962] [7]p.
Order from: OTS or SLA $1.10 62-20043

Trans. of Svarochnoe Proizvodstvo (USSR) 1957 [no. 1] p. 18-20.

DESCRIPTORS: *Arc welding, *Aluminum, Welded joints, Welding fluxes.

(Metallurgy, TT, v. 9, no. 7)

62-20043

I. Pashkov, I. V.
II. Lyulenkov, G. G.

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

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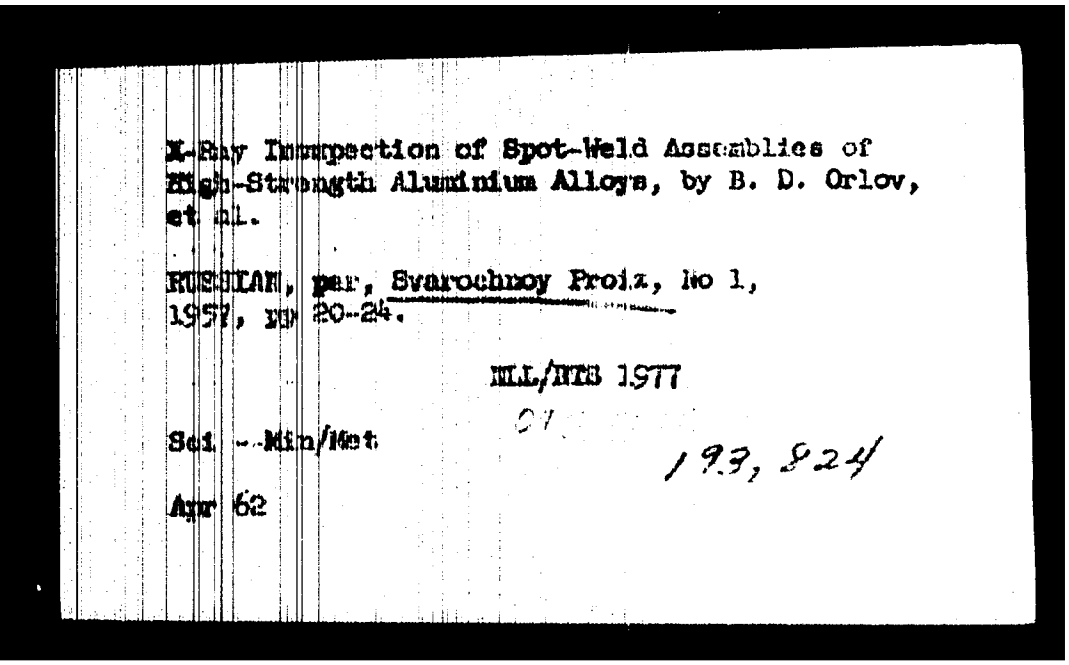


X-Ray Inspection of Spot-Weld Assemblies of High-Strength Aluminium Alloys, by B. D. Orlov, et al.

RUSSIAN, per, Svarochnoy Proiz, No 1, 1957, pp 20-24.

MLL/NTB 1977

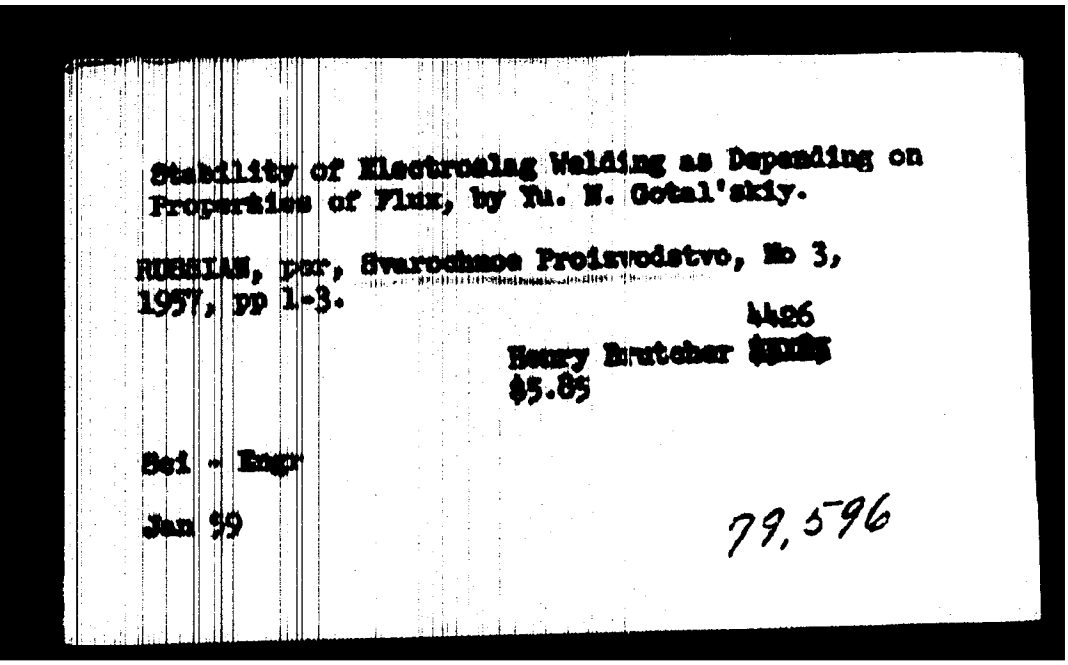
Sci --Min/Met

Apr 62

193, 824

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Stability of Electroslag Welding as Depending on Properties of Flux, by Yu. N. Gotal'skiy.

RUSSIAN, per, Svarochnoe Proizvodstvo, No 3, 1957, pp 1-3.

4426

Henry Brutcher
$5.85

Sci - Engr

Jan 59

79,596

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Strength of Spot and Roller Welded BT1, 4 Titanium Joints, by B. D. Orlov, 6 pp.

RUSSIAN, per, Svarochnoye Proizvodstvo, No 5, 1957, pp 19-22.

CIA/FTD X-3037

Sci - Minerals/Metals
Aug 58

179,958

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Strength of BT1-A Titanium and Its Welded Joints at Various Temperatures, by M. A. El'yasheva, F. E. Tret'yakov, 5 pp.

RUSSIAN, per, Svarochnoye Proizvodstvo, No 5, 1957. pp 22-24.

CIA/FTD X-3033

Sci - Chemistry
Aug 58

74,984

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Investigation of Weldability and Technology of Welding of Rolled Electroplated Steel, by E. M. Kuzmak, N.P. Karmazinov.

RUSSIAN to GERMAN, per, Svarochnoye Proiz, No 7, 1957, pp 5-9.

ID-U 709

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Uebersetsungsnachweis
Berlin, W 8
Unter den Linden 8

Dec 59

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Improvement of Quality of Weld Metal, by A. A. Alov, V. S. Vinogradov.

RUSSIAN, per, Svarochnoe Proiz, No 7, Jul 1957, pp 9-10.

Brutcher Tr 4116
$2.75

Sci - Electronics

Sep 58

72,593

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Anlage fuer die Automatische Laengsnahtschweissung Duennwandiger Rohre, by A. W. Meier. (unpubl tr)

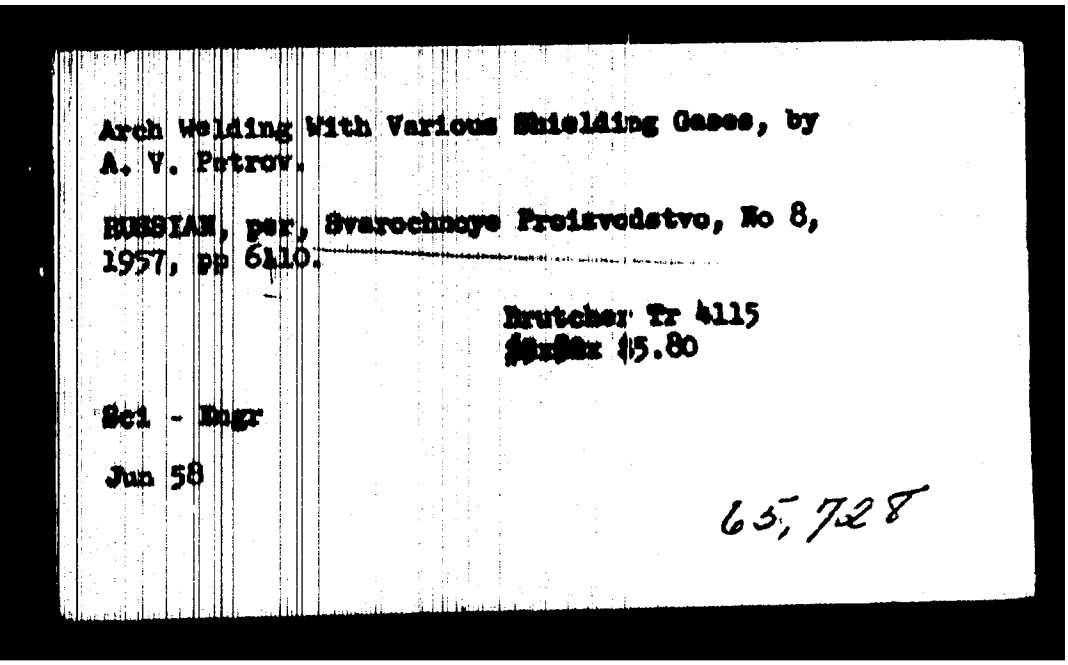
RUSSIAN to GERMAN, per, Svaroch Proiz, No 7, 1957, pp 28, 29.

IDU 696
Institut fuer Dokumentation
Uebersetzungsnachweis
Berlin, W 8
Unter den Linden 8

Apr 60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Arch Welding With Various Shielding Gases, by
A. V. Petrov.

RUSSIAN, per, Svarochnoye Proizvodstvo, No 8,
1957, pp 6&10.

Brutcher Tr 4115
$xxxx 15.80

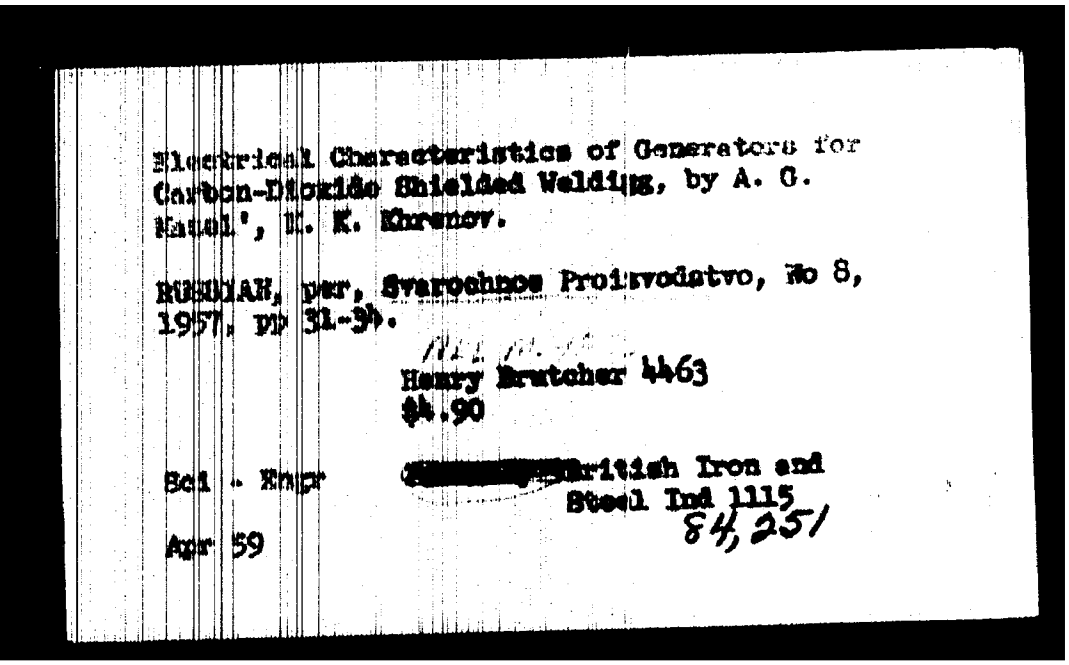
Sci - Engr

Jun 58

65,728

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Electrical Characteristics of Generators for Carbon-Dioxide Shielded Welding, by A. G. Patol', N. K. Khrenov.

RUSSIAN, per, Svarochnoe Proizvodstvo, No 8, 1957, pp 31-34.

Henry Brutcher 4463
$4.90

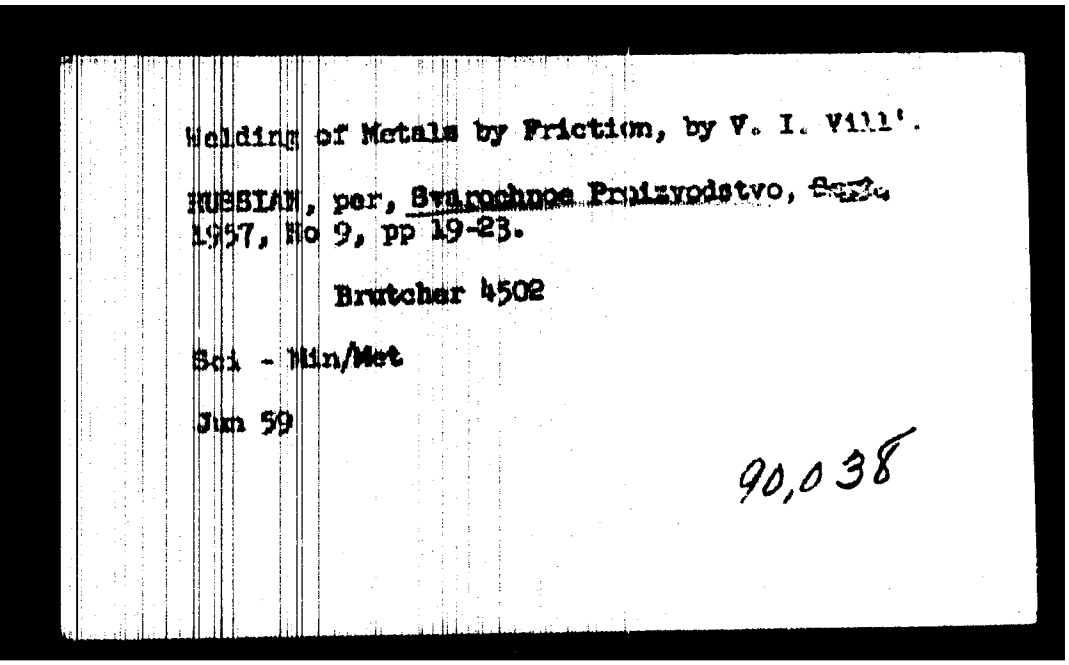
Bel. Engr [redacted] British Iron and Steel Ind 1115

Apr 59

84,251

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Welding of Metals by Friction, by V. I. Vill'.

RUSSIAN, per, Svarochnoe Proizvodstvo, [illegible]
1957, No 9, pp 19-23.

Brutchar 4502

Sci - Min/Met

Jun 59

90,038

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

The MST-1 Machine for Friction Butt Welding, by M. M. Shpeizman.

RUSSIAN, per, Svarochn Proiz, No 9, 1957, pp 23, 24.

MB 4937

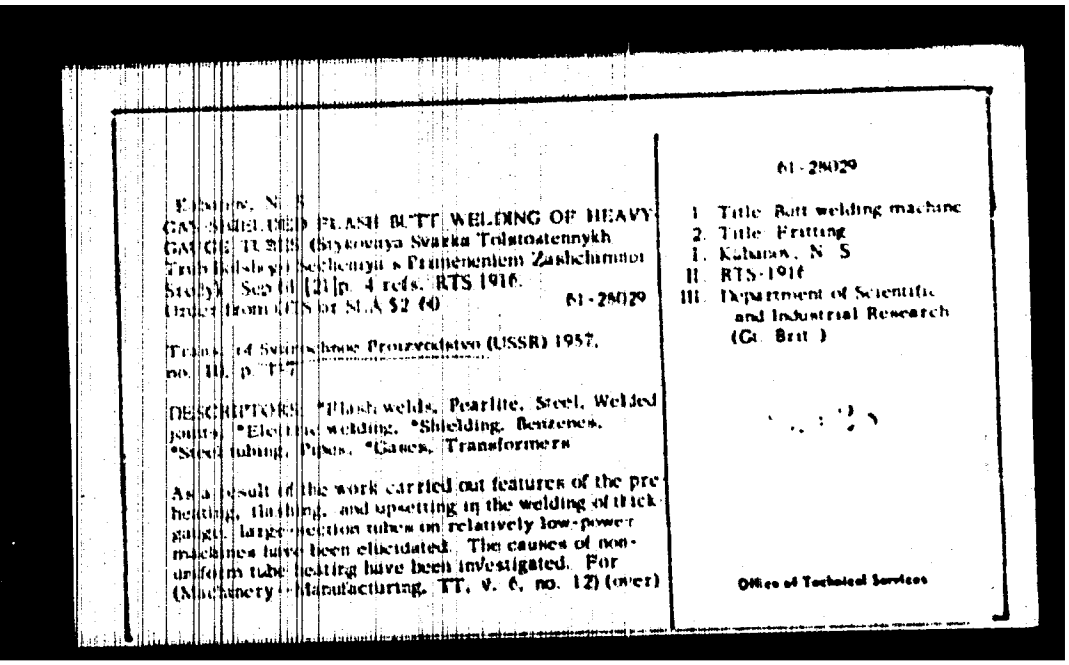
Sci - Engr

Apr 61

147,427

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Kabanov, N. S.
GAS-SHIELDED FLASH BUTT WELDING OF HEAVY-GA GE 11 2[illegible] (Svyarka Tolstostennykh Trub Gelievym s Primeneniem Zashchitnoi Sredy). Sep 61 [21]p. 4 refs. RTS 1916. Order from OTS for SLA $2.60 61-28029

Trans. of Svarochnoe Proizvodstvo (USSR) 1957, no. 10, p. 1[illegible]7

DESCRIPTORS: *Flash welds, Pearlite, Steel, Welded joints, *Electric welding, *Shielding, Benzenes, *Steel tubing, Pipes, *Gases, Transformers

As a result of the work carried out features of the pre heating, flashing, and upsetting in the welding of thick gauge, large-section tubes on relatively low-power machines have been elucidated. The causes of non-uniform tube heating have been investigated. For (Mechanery i Instrumentalnoe, TT, v. 6, no. 12) (over)

61-28029

1. Title Butt welding machine
2. Title Fitting
I. Kabanov, N. S.
II. RTS-1916
III. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

The Prevention of Cracking in the Welding of AMTu Aluminium Alloy, by N. D. Portnoi, N. G. Heinrichsdorf. UNCL

RUSSIAN, por, Svaroch Proiz, No 10, 1957, pp 16-18.

SLA

BWRA Tr 16/59
British Welding Research Assoc
Abington Hall
Abington, Cambridge

Feb 60

106,714

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Automatic Welding in Carbon-Dioxide Gas of Fixed Joints of Low Carbon Pipes, by A. I. Akulov.

RUSSIAN to GERMAN, per, Svarocn. Proiz, No 10, 1957, pp 25-29.

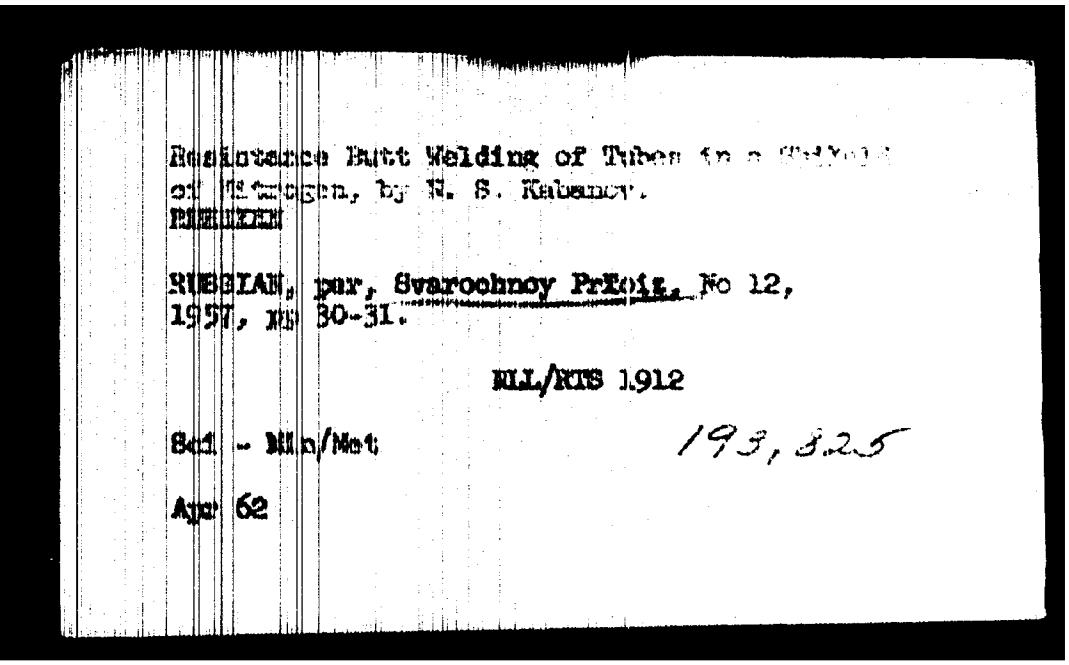
ID-U 681

Institut fuer Dokumentation-Uebersetzungsnachweis
Berlin, W.8
Unter den Linden 8

Dec 58

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Resistance Butt Welding of Tubes [illegible]
of Titanium, by N. S. Rabanov.
RUSSIAN

RUSSIAN, par, Svarochnoy Proiz., No 12,
1957, pp 30-31.

RLL/RTS 1.912

Sci - Min/Met

193,825

Apr 62

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Rykalin, N. N. and Pugin, A. I.
CALCUL DU CHAUFFAGE ET DU REFROIDISSEMENT DE BARRES SOUDEES BUT PAR RESISTANCE [Raschet Nagreva i Okhlazhdeniya Sterzhnei pri Svarke Vstyk Soprotivleniyem] [Calculation of Heating and Cooling of Rods in Butt Resistance Welding] tr. by S. de Trezviatsky, 10 June 61 (18)p. CEA Trans. no. R 1358.
Order from OTS or SLA $1.60 62-13799

Resume transl. in French of Svarochnoe Proizvodstvo (USSR) 1958, no. 1 [p. 1-6].

DESCRIPTORS: Measurement, *Heating, *Cooling, *Welding, Rods, Heat production.

(Physics - Thermodynamics, TT, v. 8, no. 3)

62-13799

I. Rykalin, N. N.
II. Pugin, A. I.
III. CEA-tr-R1358
IV. Commissariat à l'Énergie Atomique (France)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

The Determination of the Rate Value of a Defect in a Weld Joint by X-Ray Photography, by K. G. Goryacheva.
UNCL

RUSSIAN, per, Svaroch Proiz, No 1, 1958, pp 12-14.

*TIL 5106

Sci - Phys
Apr 60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Welded Gear Wheel Designs, by V. I. Dzen'. UNCL

RUSSIAN, per, Svarochnoye Proiz, Jan 1958, pp 19-21.

NLL [illegible]
British Iron and
Steel Ind 1377
(L3 15s.0d.)

Sci - Engr
Sep 59

96, 0 31

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Welding With UONI-13 Electrodes on Alternating Current, With a Pulse Generator, by M. L. Yakel'man, et al.

RUSSIAN, per, Svarochnoe Proizvodstvo, No 1, 1958, pp 27, 28.

Henry Brutcher 4454
$3.90

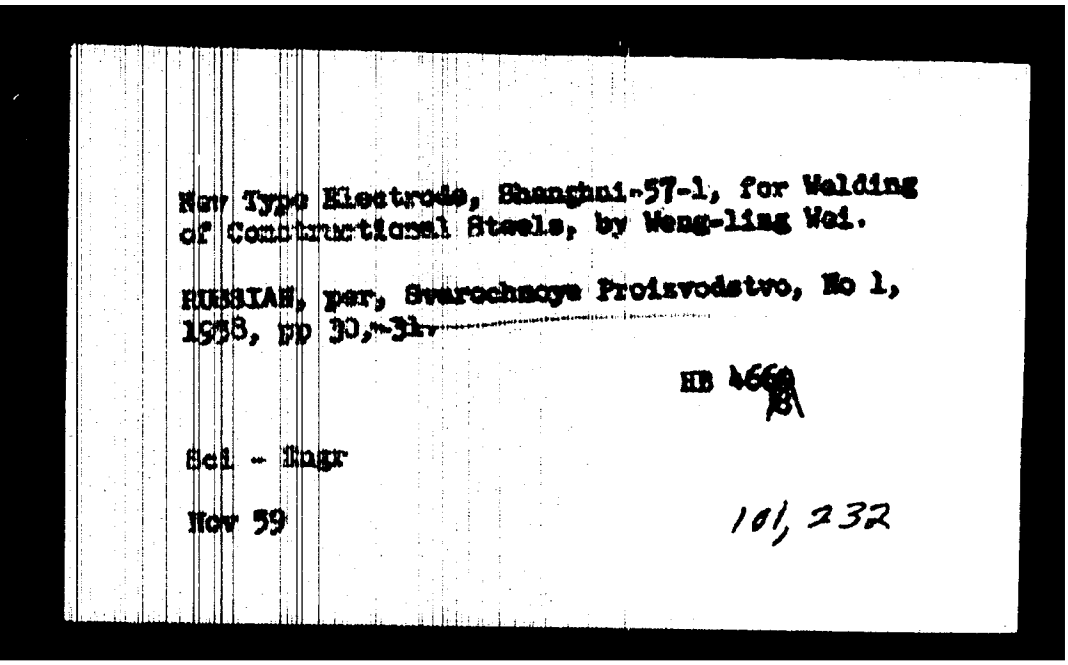
Sci - Engr

Apr 59

84,315

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



New Type Electrode, Shanghai-57-1, for Welding of Constructional Steels, by Weng-ling Wei.

RUSSIAN, par, Svarochnoye Proizvodstvo, No 1, 1958, pp 30,-31v

HB 4668

Sci - Engr

Nov 59

101, 232

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Incorporation of Aqueous Solutions of Potassium Dichromate Into Electrode Coatings, by N. A. Gorpenyuk, A. V. Pachatnov.

RUSSIAN, per, Svaroch Proiz, No 1, 1950, p 32.

HB 4699

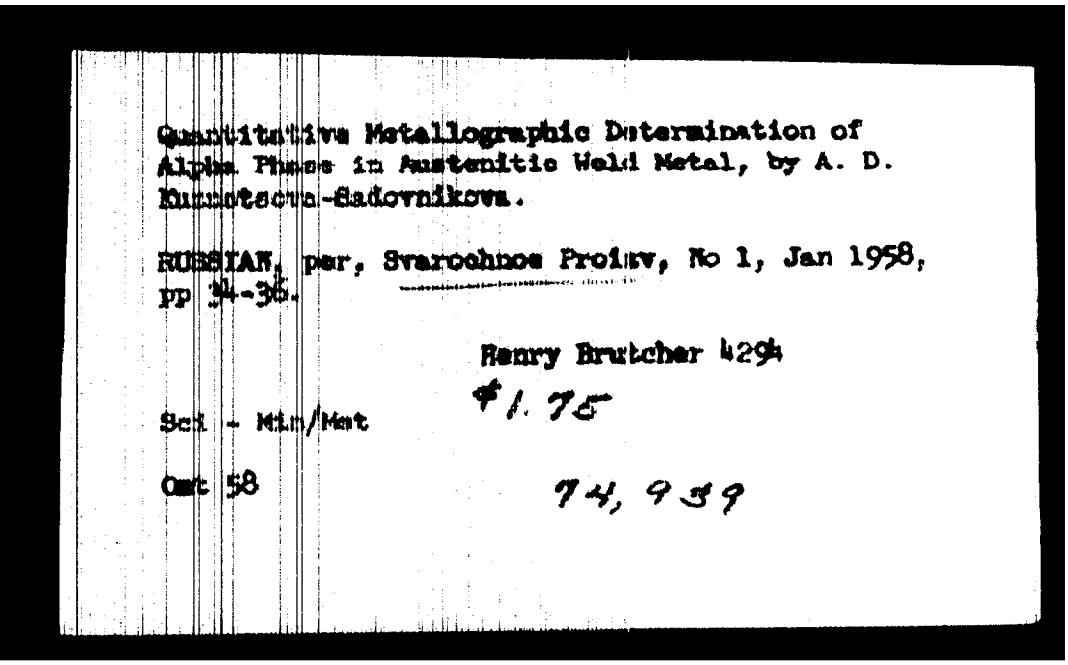
Sci - Chem

Dec 59

104 354

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Quantitative Metallographic Determination of Alpha Phase in Austenitic Weld Metal, by A. D. Kuznetsova-Gadovnikova.

RUSSIAN, per, Svarochnoe Proizv, No 1, Jan 1958, pp 34-36.

Henry Brutcher 4294

$1.75

Sci - Min/Met

Oct 58

74,939

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Dosage de la Phase-α Dans le Metal Austenitique D'un Cordon de Soudure Par la Methode Metallographique. (Determination of the α Phase in the Austenite Metal of Welding Ring by the Metallographic Method), by A. D. Kaznetsova-Sadovnikova, 6 pp.

RUSSIAN, to FRENCH, per, Svarochnoe Proiz, No 1, 1958, pp 34-36.

Reverse trans
CEA tr R-710

Jan 60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

New Capacitor Machines for Spot-Welding Thin Metal, by V. E. Moravskiy.

RUSSIAN, per, Svarochnoe Proiz, No 1, 1958, pp 40-42.

Jan 60

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

CO_2 Welding of Heat Stable Pearlite 20 KhMFL, by V. N. Suslov, S. I. Klepikov.

RUSSIAN to GERMAN, per, Svaroch Proiz, No 1, 1958, pp 65, 66.

ID-U 721

Institut fuer Dokumentation-
Uebersetsungnachweis
Berlin, W 8
Unter den Linden 8

Dec 59

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Prokhorov, N. N. and Bochay, M. P.
MECHANICAL PROPERTIES OF ALUMINUM ALLOYS IN THE CRYSTALLIZATION TEMPERATURE RANGE DURING WELDING (Mekhanicheskiye Svoystva Alyuminiyevykh Splavov v Intervale Temperatur Kristallizatsii pri Svarke). Apr 61 [15]p. 5 refs. RTS 1831.
Order from OTS or SLA $1.60 61-19940

Trans. of Svarochnoye Proizvodstvo (USSR) 1958, no. 2, p. 1-6.

DESCRIPTORS: *Aluminum alloys, Mechanical properties, *Crystallization, *Temperature, *Welding, Fracture (Mechanics), Manufacturing methods.

Tests showed that fracture in the brittleness temperature range caused deformations that are concentrated in zones adjacent to the fracture. If the alloy has been heated up to the two-phase temperature, its grains are
(Metallurgy, TT, v. 6, no. 9) (over)

61-19940

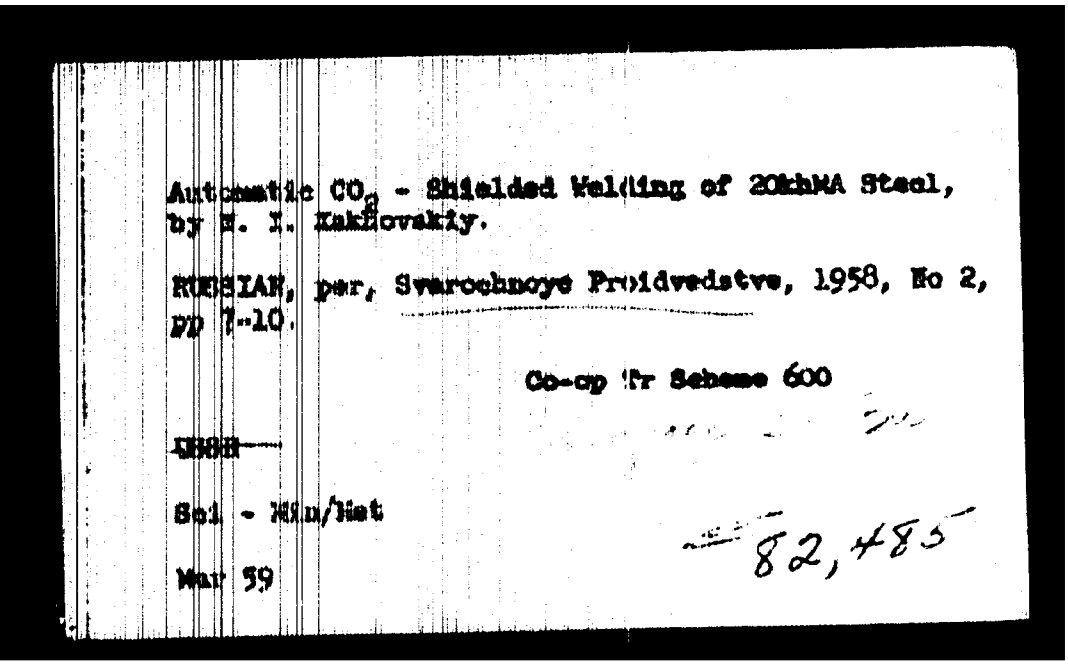
I. Prokhorov, N. N.
II. Bochay, M. P.
III. RTS-1831
IV. Department of Scientific and Industrial Research (Gt. Brit.)

185521

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Automatic CO_2 - Shielded Welding of 20KhMA Steel, by E. I. Kakhovskiy.

RUSSIAN, per, Svarochnoye Proizvodstvo, 1958, No 2, pp 7-10.

Co-op Tr Scheme 600

USSR

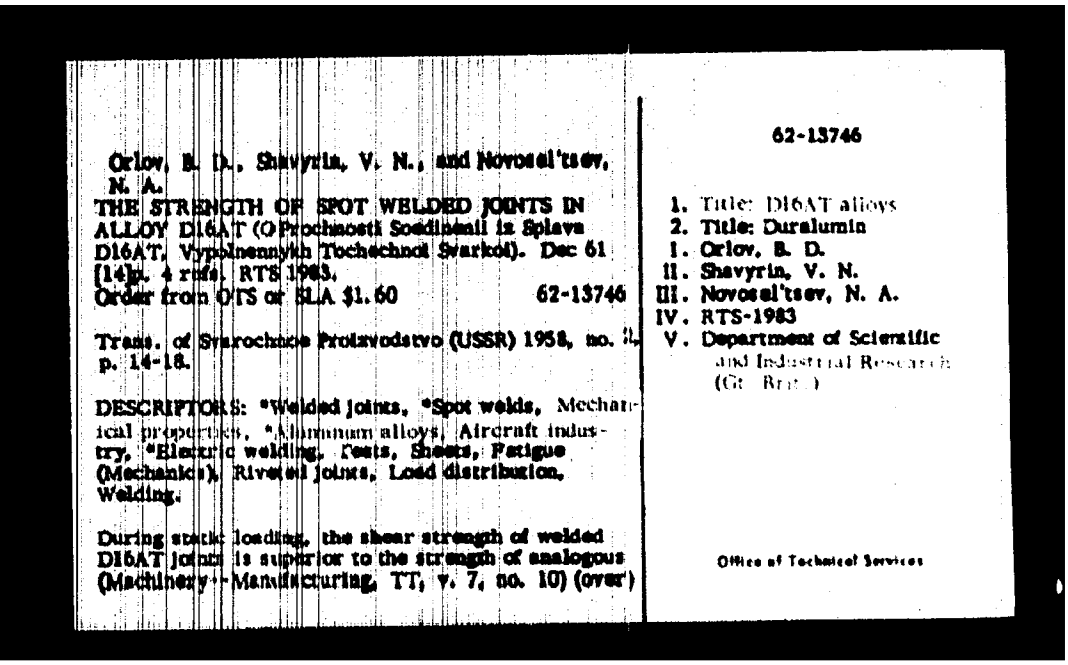
Sci - Min/Met

Mar 59

82,485

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Orlov, B. D., Shavyrin, V. N., and Novosel'tsev, N. A.
THE STRENGTH OF SPOT WELDED JOINTS IN ALLOY D16AT (O Prochnosti Soedinenii iz Splava D16AT, Vypolnennykh Tochechnoi Svarkoi). Dec 61 [14]p. 4 refs. RTS 1983.
Order from OTS or SLA $1.60 62-13746

Trans. of Svarochnoe Proizvodstvo (USSR) 1958, no. 3, p. 14-18.

DESCRIPTORS: *Welded joints, *Spot welds, Mechanical properties, *Aluminum alloys, Aircraft industry, *Electric welding, Tests, Sheets, Fatigue (Mechanics), Riveted joints, Load distribution, Welding.

During static loading, the shear strength of welded D16AT joints is superior to the strength of analogous (Machinery--Manufacturing, TT, v. 7, no. 10) (over)

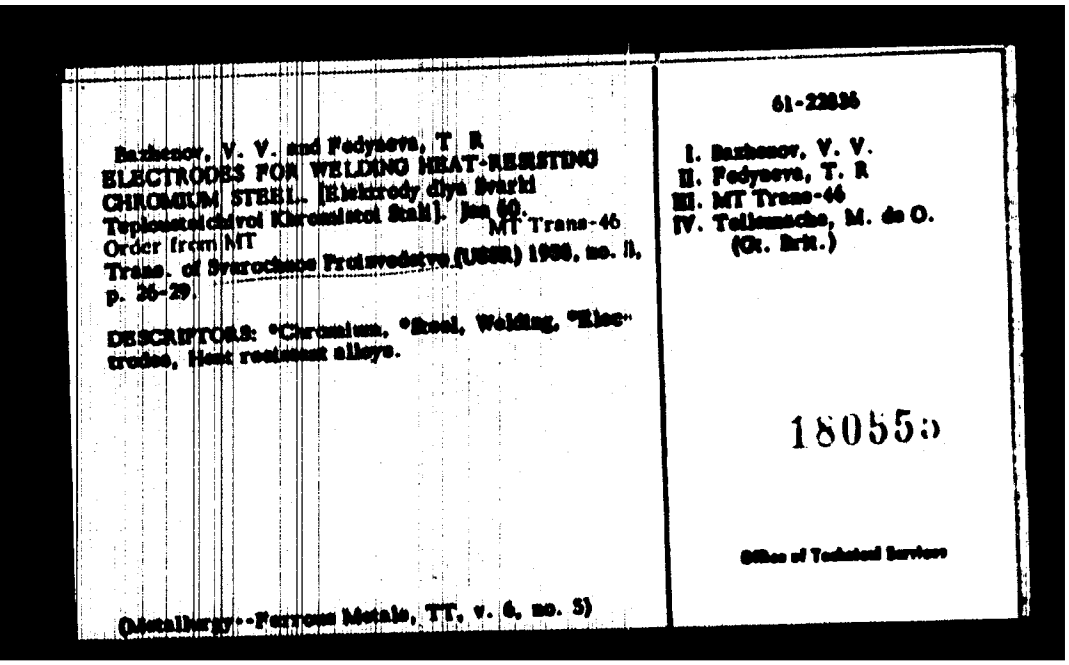
62-13746

1. Title: D16AT alloys
2. Title: Duralumin
I. Orlov, B. D.
II. Shavyrin, V. N.
III. Novosel'tsev, N. A.
IV. RTS-1983
V. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Bazhenov, V. V. and Fedyaeva, T. R.
ELECTRODES FOR WELDING HEAT-RESISTING CHROMIUM STEEL. [Elektrody dlya Svarki Teplostoykikh Khromistoi Stali]. Jan 60.
Order from MT
Trans. of Svarochnoe Proizvodstvo (USSR) 1960, no. 1, p. 26-29.

MT Trans-46

DESCRIPTORS: *Chromium, *Steel, Welding, *Electrodes, Heat resistant alloys.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 5)

61-22836

I. Bazhenov, V. V.
II. Fedyaeva, T. R
III. MT Trans-46
IV. Tellemache, M. de O. (Gt. Brit.)

18055

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

The Effect of Certain Alloying Elements on the Properties of Weld Joints of Titanium and Its Alloys, by M. Kh. Shorshorov, 8 pp.

RUSSIAN, per, Svarochnoye Proiz, No 3, 1958, pp 30-33. 3026099

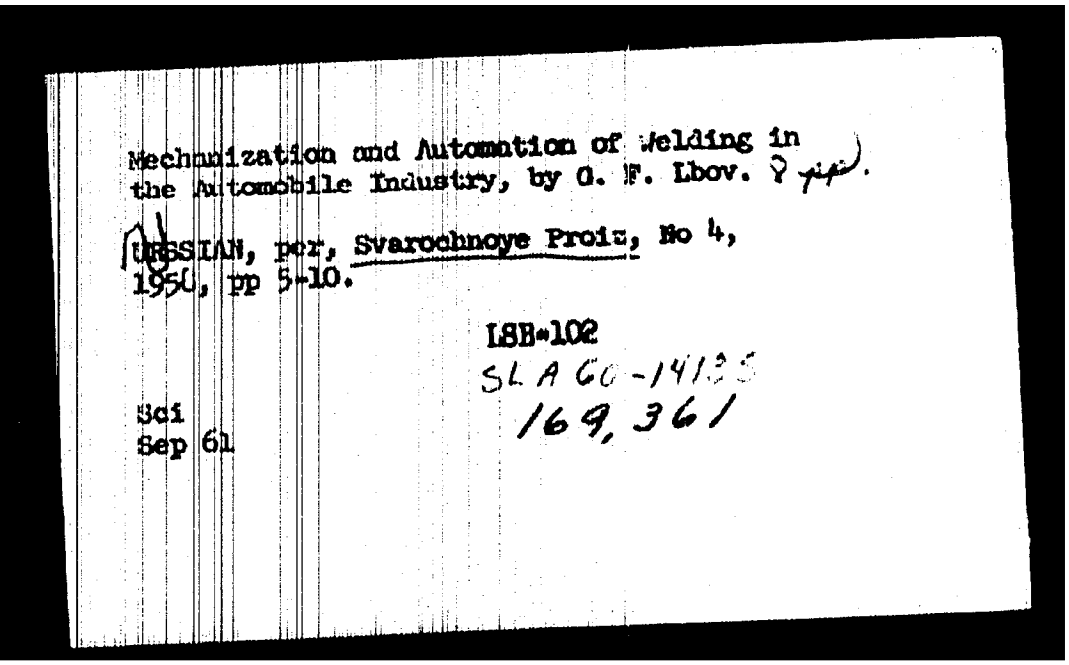
150,746

Sci

May 61

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Mechanization and Automation of Welding in the Automobile Industry, by O. F. Lbov. 9 pp.

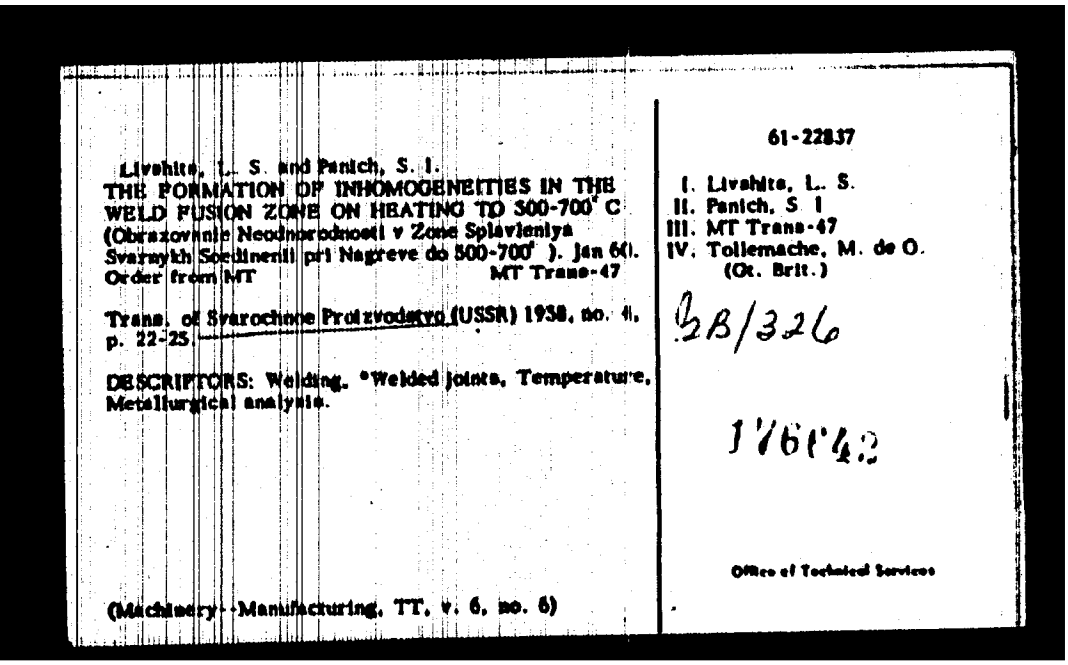
(RUSSIAN, per, Svarochnoye Proiz, No 4, 1950, pp 5-10.

LSB-102
SLAC-1413
169,361

Sci
Sep 61

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Livshits, L. S. and Panich, S. I.
THE FORMATION OF INHOMOGENEITIES IN THE WELD FUSION ZONE ON HEATING TO 500-700° C (Obrazovanie Neodnorodnostei v Zone Splavleniya Svarnykh Soedinenii pri Nagreve do 500-700°). Jan 61.
Order from MT MT Trans-47

Trans. of Svarochnoe Proizvodstvo (USSR) 1958, no. 4, p. 22-25.

DESCRIPTORS: Welding. *Welded joints, Temperature, Metallurgical analysis.

(Machinery--Manufacturing, TT, v. 6, no. 6)

61-22837

I. Livshits, L. S.
II. Panich, S. I
III. MT Trans-47
IV. Tollemache, M. de O. (Ot. Brit.)

GB/326

176142

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Effect of Vibrations on Solidification and Structure of Metal Deposited in Slag-Welding Process, by F. F. Benua, et al.

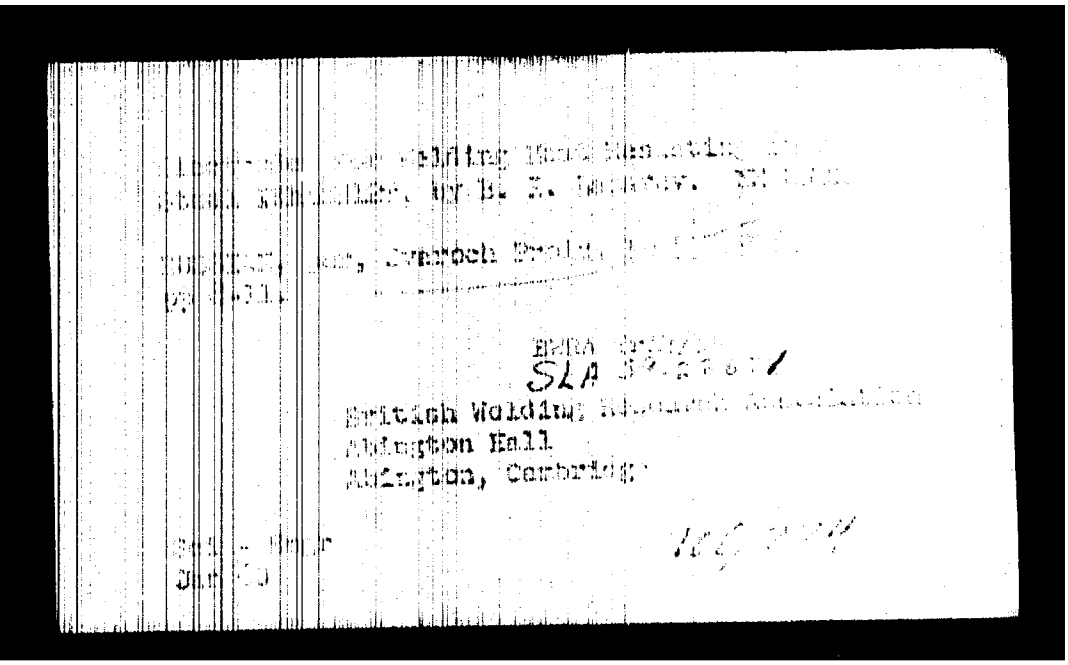
RUSSIAN, per, Svarochnoye Proiz, May 1958, pp 1-5.

*Henry Brutcher

Apr 59

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

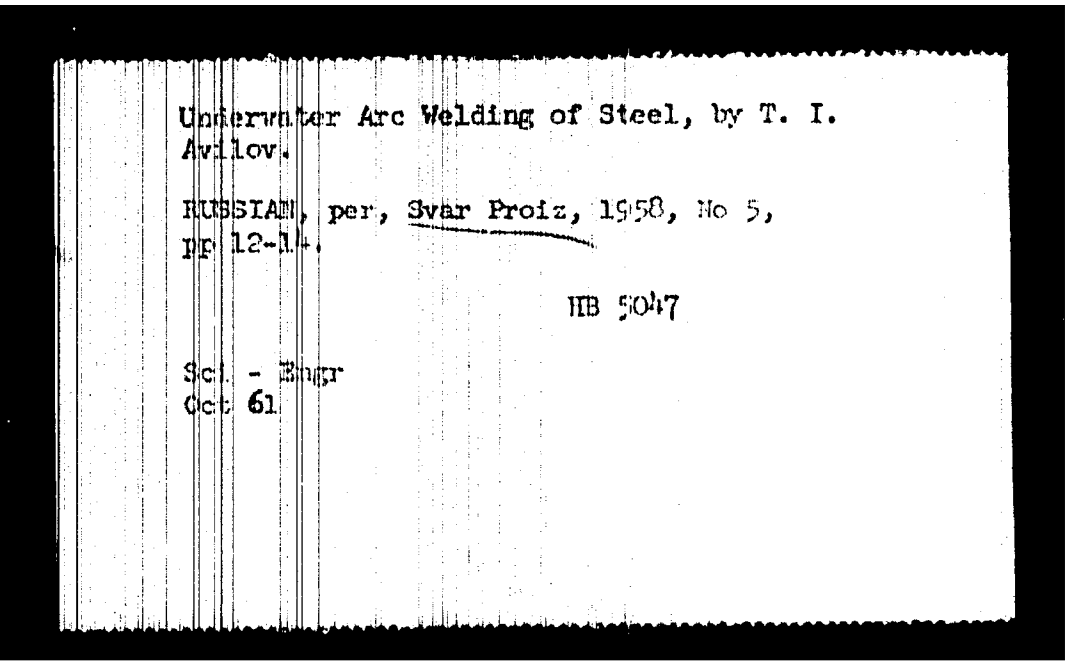


SLA

British Welding
Abington Hall
Abington, Cambridge

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Underwater Arc Welding of Steel, by T. I. Avilov.

RUSSIAN, per, Svar Proiz, 1958, No 5, pp 12-14.

HB 5047

Sci - Engr
Oct 61

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Ultrasonic Inspection of Weldments at the Leningrad Metal Works, by S. N. Antonov.

RUSSIAN, per, Svarocn Proiz, No 5, 1958, pp 34-46.

HE 5053

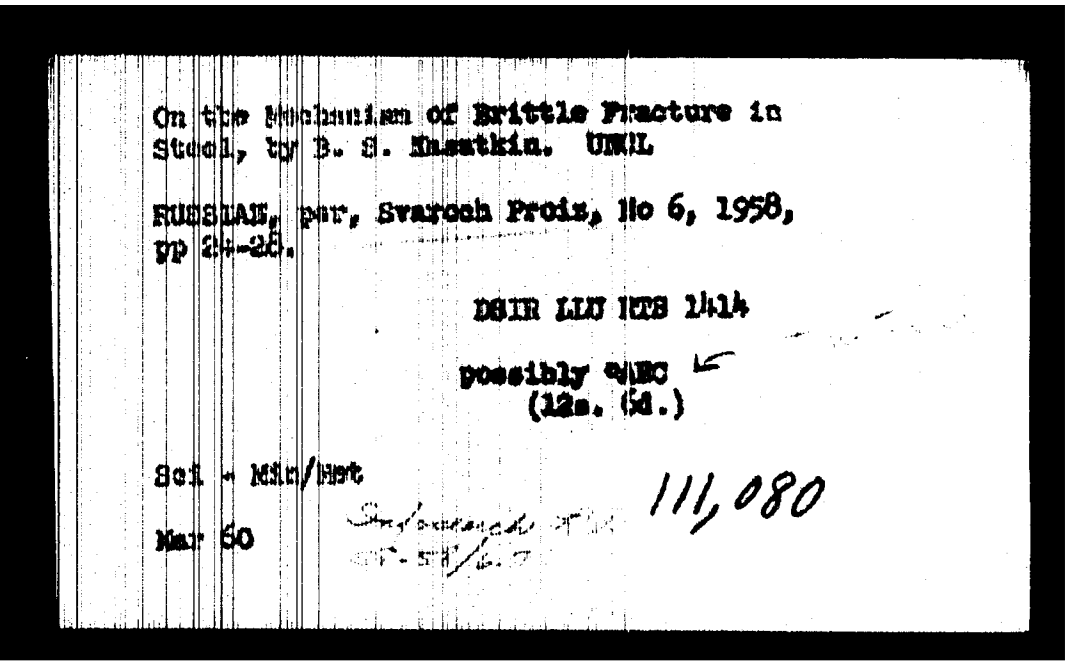
Sci - Engr

Jul 61

162,758

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



On the Mechanism of Brittle Fracture in Steel, by B. S. Maslkin. UNIL

RUSSIAN, par, Svarochn Proiz, No 6, 1958, pp 24-26.

DSIR LLU ITS 1414

possibly e\EC
(12s. (6d.)

Sol - Min/Met

Mar 60

111,080

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

Improvements in Arc Welding of Studs, by D. I. Vainboim,

RUSSIAN, per, Svarochnoe Proizvodstvo, No 6, 1958, PP 36-41.

ATS RJ-1750

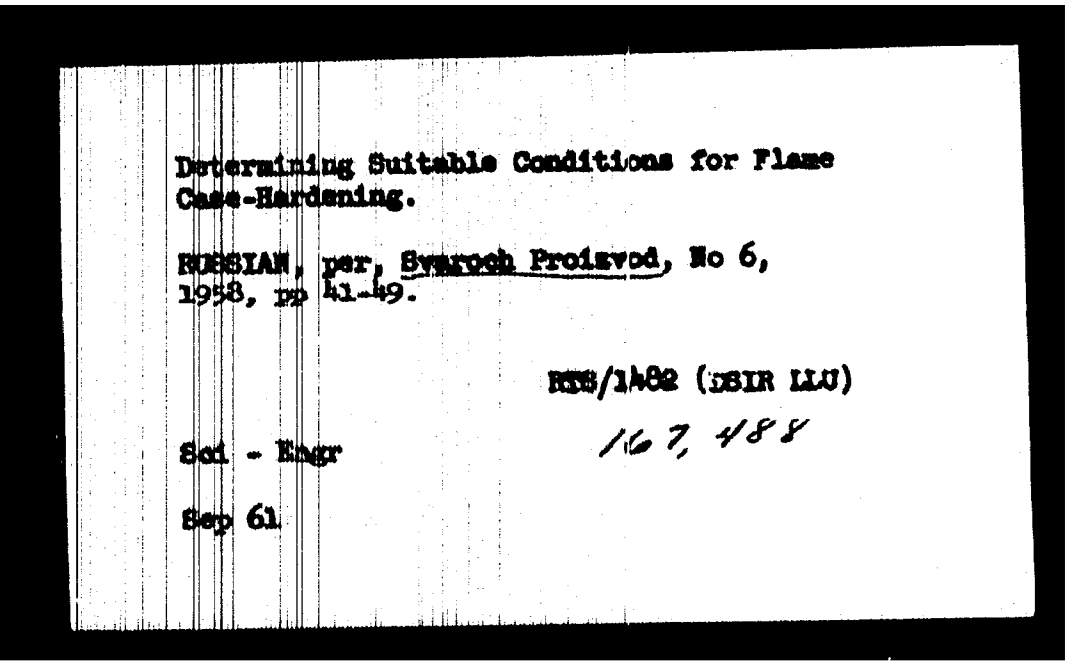
Sci - Engr
Jul 59

ATS 63-[illegible]

90,472

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



Determining Suitable Conditions for Flame Case-Hardening.

RUSSIAN, per, Svarochn Proizvod, No 6, 1958, pp 41-49.

RRS/1482 (DSIR LLU)

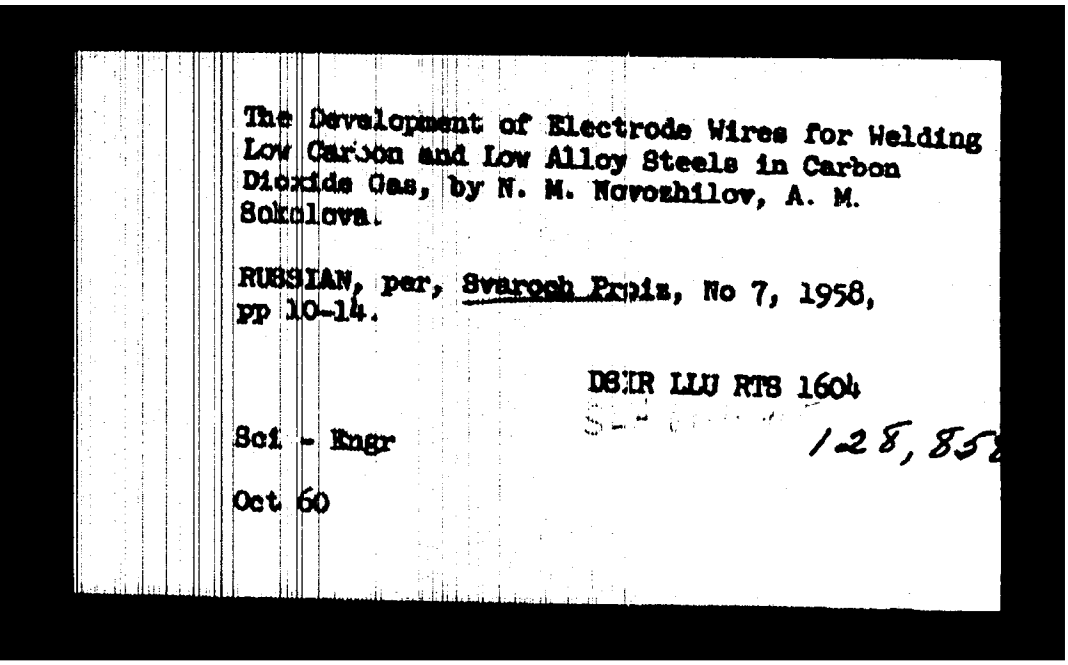
167, 488

Sci - Engr

Sep 61

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6

APPROVED FOR RELEASE: Tuesday, May 28, 2002 CIA-RDP91-00772R000200810065-6



The Development of Electrode Wires for Welding Low Carbon and Low Alloy Steels in Carbon Dioxide Gas, by N. M. Novozhilov, A. M. Sokolova.

RUSSIAN, per, Svarochn Prois, No 7, 1958, pp 10-14.

DSIR LLU RTS 1604

Sci - Engr

128, 852

Oct 60

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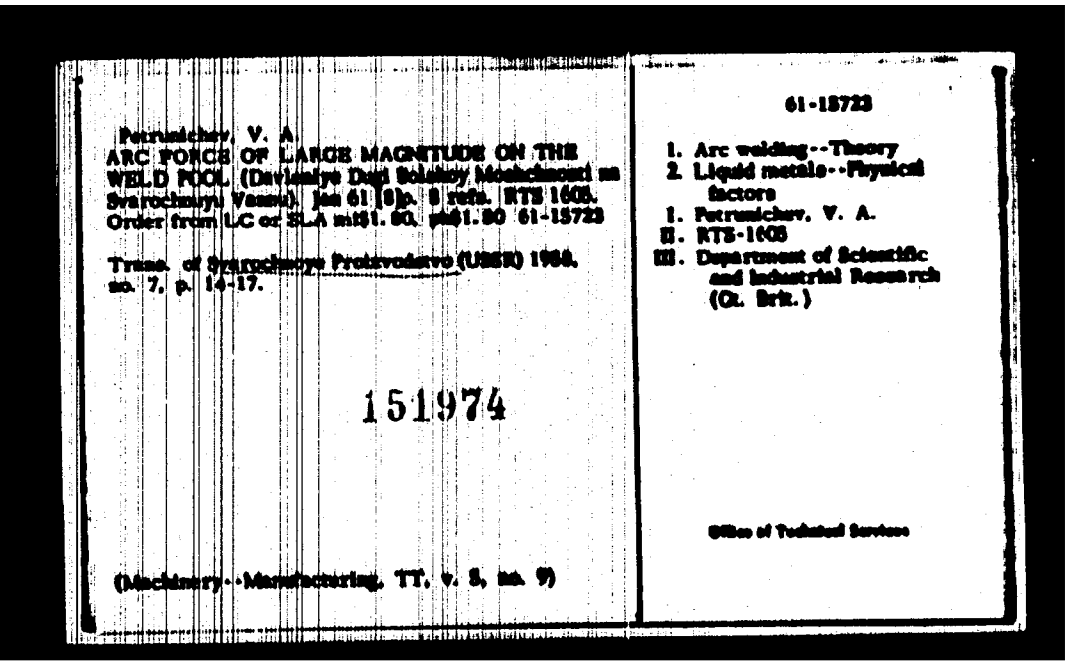

Petrunichev, V. A.
ARC FORCE OF LARGE MAGNITUDE ON THE WELD POOL (Davleniye Dugi Bolshoy Velichiny na Svarochnuyu Vannu). Jan 61 [8]p. 9 refs. RTS 1608. Order from LC or SLA mf$1.50, ph$1.50 61-15723

Trans. of Svarochnoye Proizvodstvo (USSR) 1960, no. 7, p. 14-17.

151974

(Machinery--Manufacturing, TT, v. 8, no. 9)

61-15723

1. Arc welding--Theory
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I. Petrunichev, V. A.
II. RTS-1608
III. Department of Scientific and Industrial Research (Gt. Brit.)

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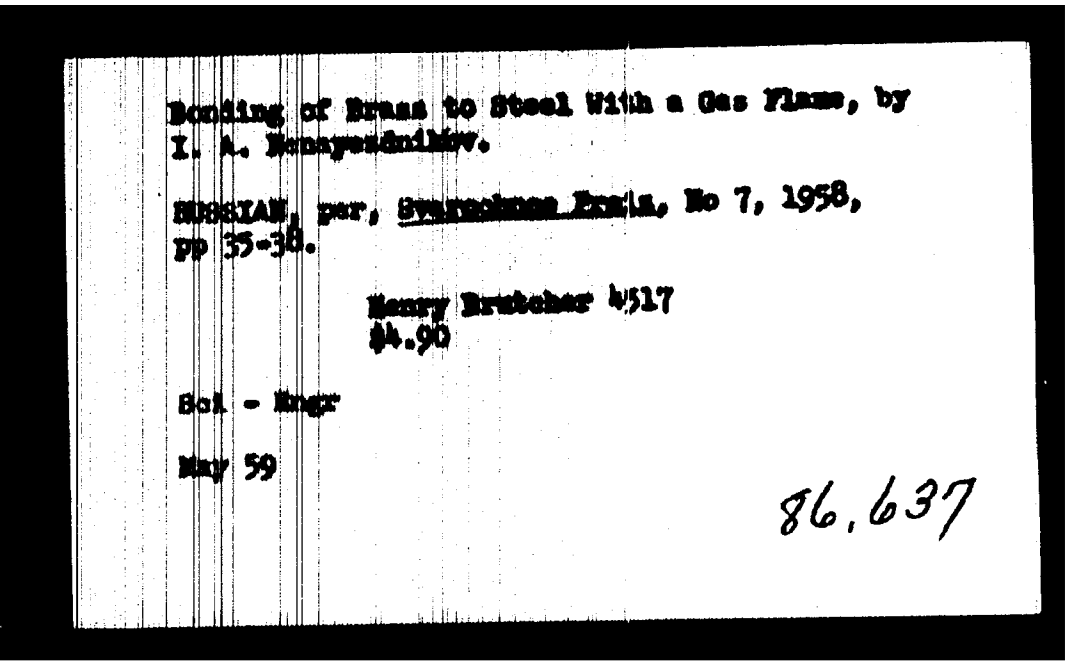

Bonding of Brass to Steel With a Gas Flame, by
I. A. Kenyaeshnikov.

RUSSIAN, per, Svarochnoye Delo, No 7, 1958,
pp 35-38.

Henry Brutcher 4517
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May 59

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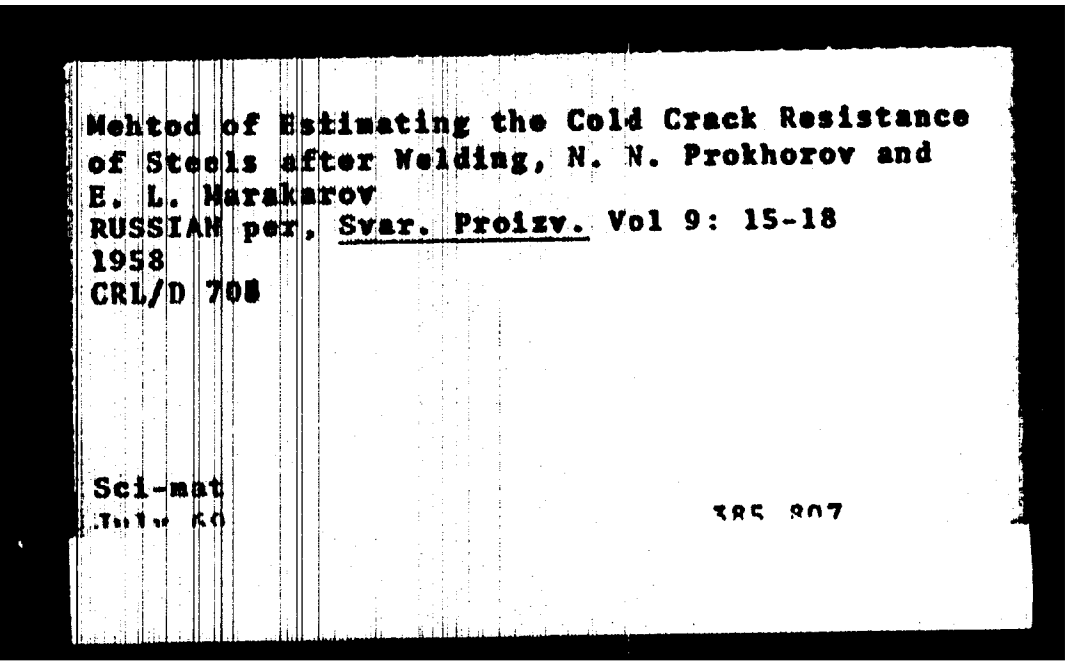

Mehtod of Estimating the Cold Crack Resistance of Steels after Welding, N. N. Prokhorov and E. L. Harakarov
RUSSIAN per. Svar. Proizv. Vol 9: 15-18
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CRL/D 708

Sci-mat
Tech 60

385 807

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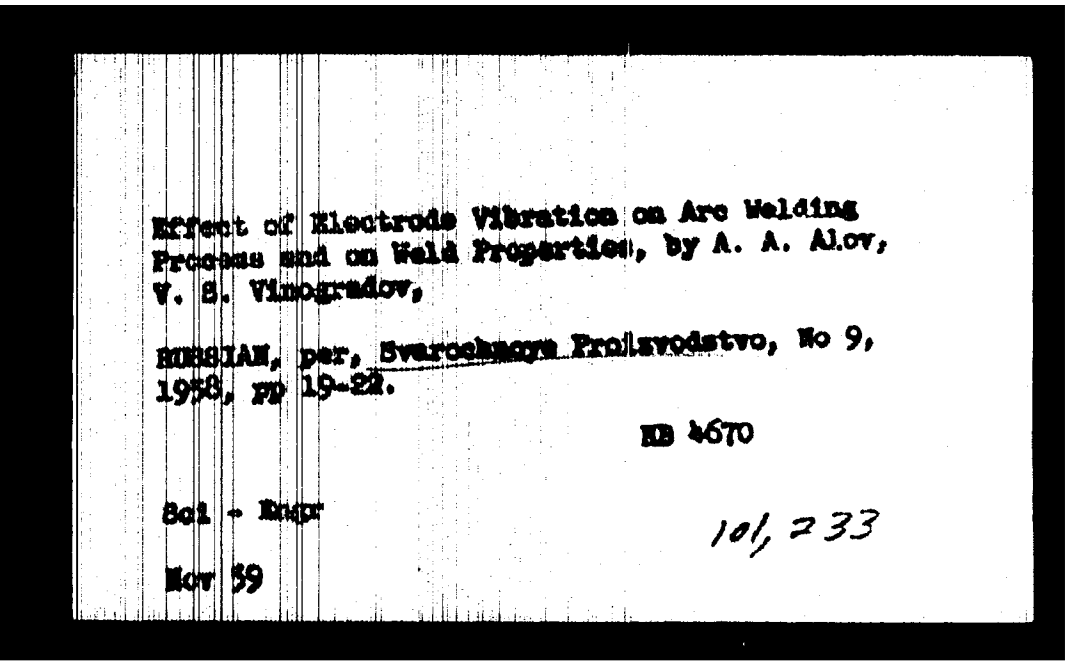

Effect of Electrode Vibration on Arc Welding Process and on Weld Properties, by A. A. Alov, V. S. Vinogradov,

RUSSIAN, per, Svarochnoye Proizvodstvo, No 9, 1958, pp 19-22.

EB 4670

Sci - Engr

Nov 59

101, 233

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Ultrasonics in Soviet Welding Practice.

RUSSIAN, per: Svarochnoye Proizvodstvo, No 9, 1958, p 24.

OTIA 22

Sci - Engineering, Electronics, Minerals/Metals
Jun 59

90,067

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Effect of Boron on Weld Hot Cracking of Nickel-Chrome-Tungsten Austenitic Steels, by A. V. Russiyan, M. Shorshorov.

RUSSIAN, per, Svarochnoe Proizvodstvo, No 10, 1958, pp 14-18.

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Sci-Materials & Metallurgy
July 63

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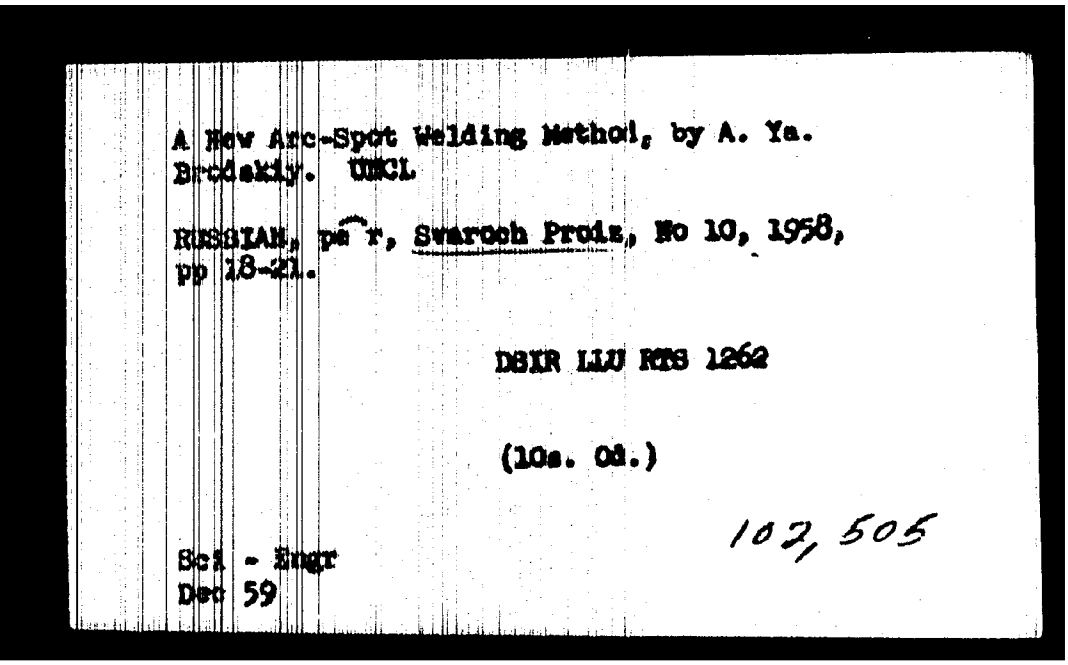

A New Arc-Spot Welding Method, by A. Ya. Brodskiy. UMCL

RUSSIAN, per, Svarochn Prois, No 10, 1958, pp 18-21.

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107, 505

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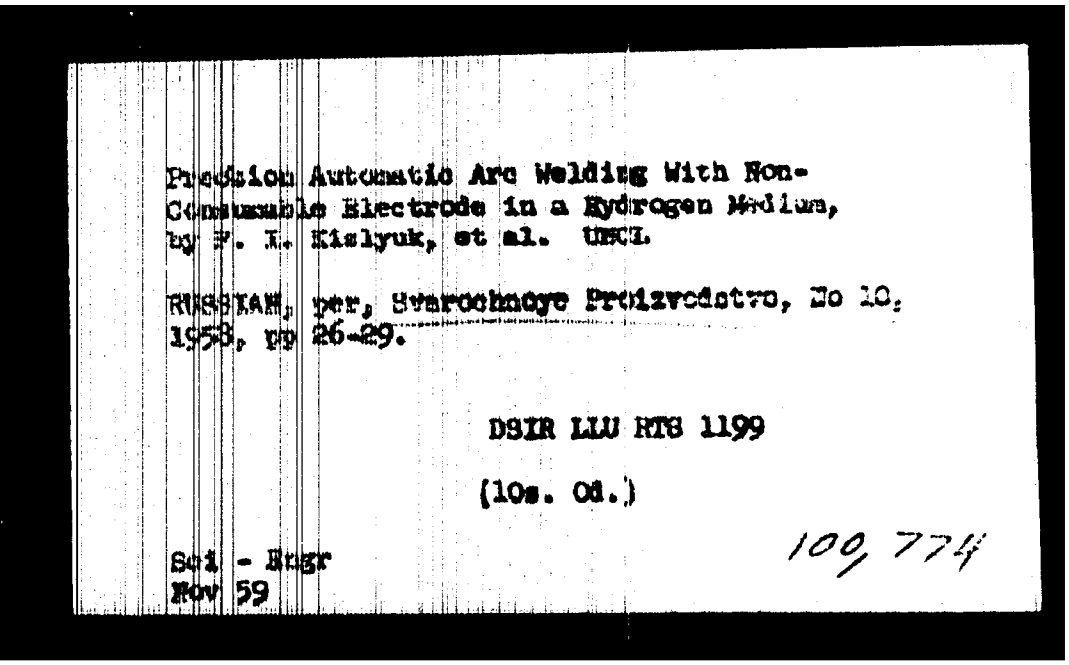

Precision Automatic Arc Welding With Non-Consumable Electrode in a Hydrogen Medium, by F. I. Kislyuk, et al. UKCL

RUSSIAN, per, Svarochnoye Proizvodstvo, No 10, 1958, pp 26-29.

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Automatic Welding and Cutting at the Saratov Heavy Machine Construction Works, by M. P. Anfalimov. UNCL.

RUSSIAN, per. Svarochn Proiz, No 10, 1958, pp 29-30.

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Welding-Up of a Crack in a Medium-Carbon Steel Casting, by A. I. Pashchenko. UNCL

RUSSIAN, per, Svaroch Proiz, No 11, 1958, pp 30-.

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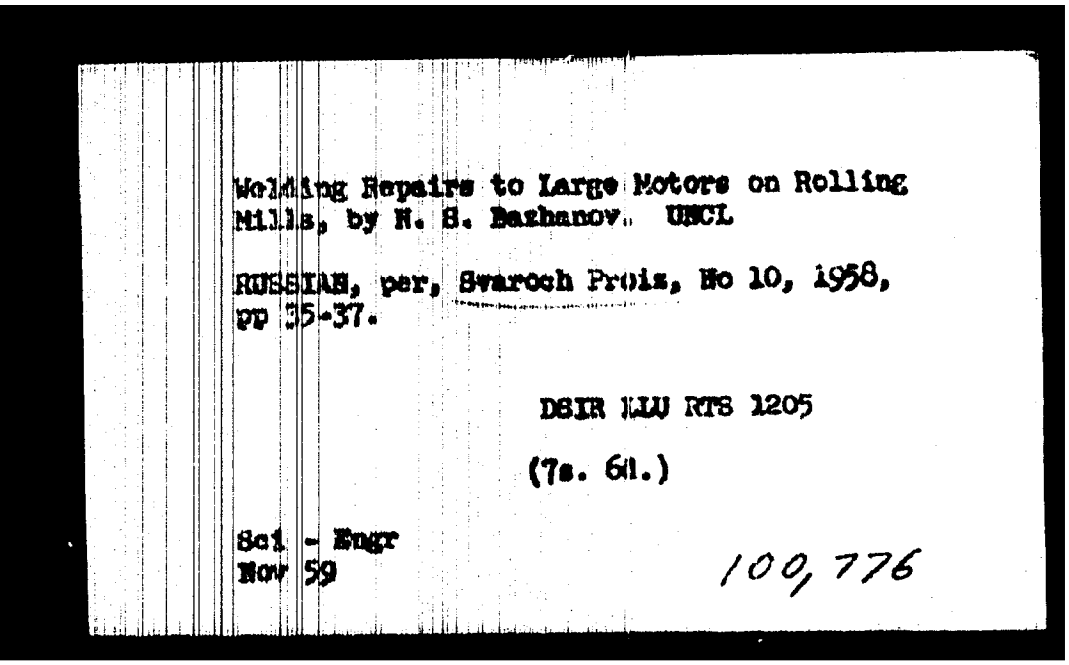

Welding Repairs to Large Motors on Rolling Mills, by N. S. Bazhanov. USCL

RUSSIAN, per, Svarochn Proiz, No 10, 1958, pp 35-37.

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A Procedure for Determining the Impact Strength and Cold-Shortness of Manual and Semi-Automatic Welds, by M. M. Kraychik, N. V. Pashkov. UNCL

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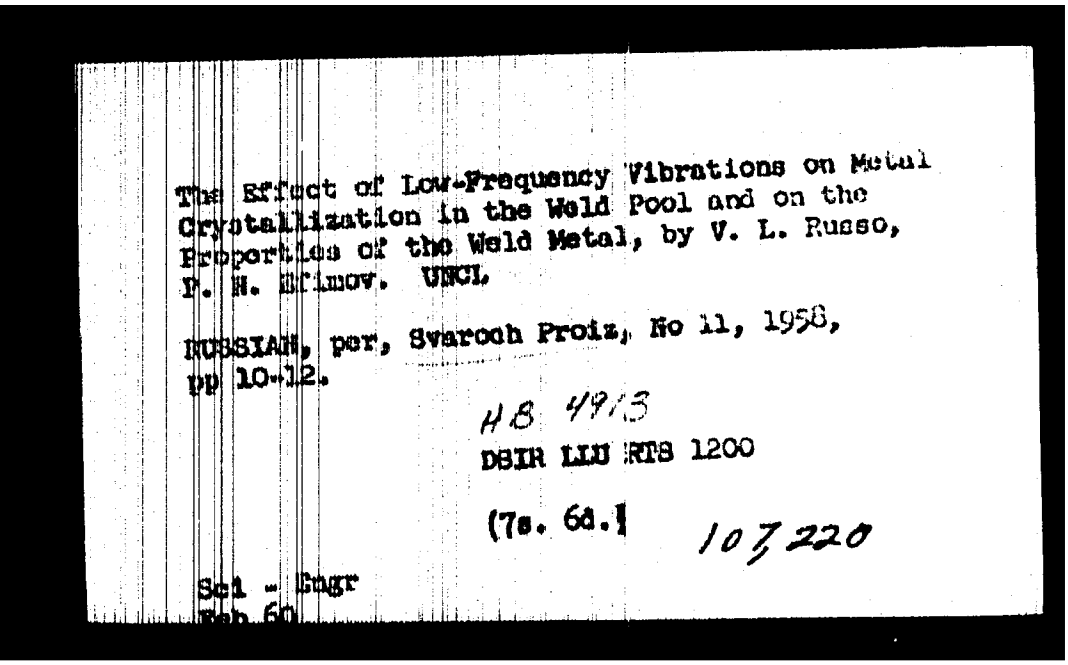

The Effect of Low-Frequency Vibrations on Metal Crystallization in the Weld Pool and on the Properties of the Weld Metal, by V. L. Russo, P. N. Efimov. UNCL

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Research Work on the Pressure Welding of Pipes,
by V. D. Taran. UMCL

RUSSIAN, per. Svarochn Proiz, No 11, 1958,
pp 12-14.

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RUSSIAN, per, Svarochnoe Proizvodstvo, No 11, 1958, pp 15, 16.

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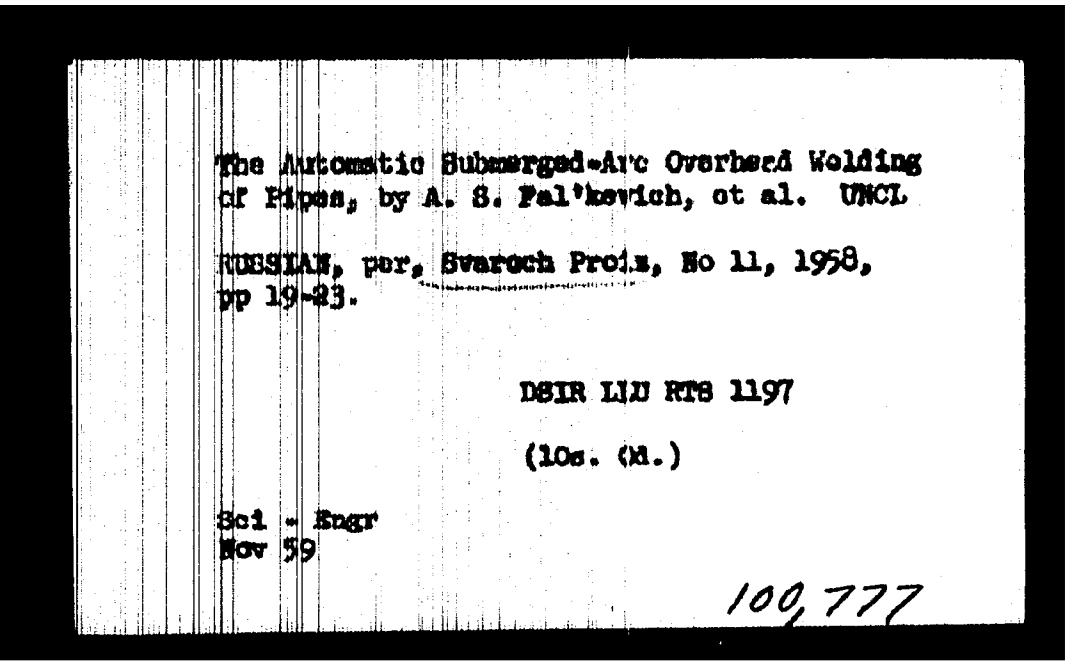

The Automatic Submerged-Arc Overhead Welding of Pipes, by A. S. Pal'kevich, et al. UNCL

RUSSIAN, per, Svarochn Proiz, No 11, 1958, pp 19-23.

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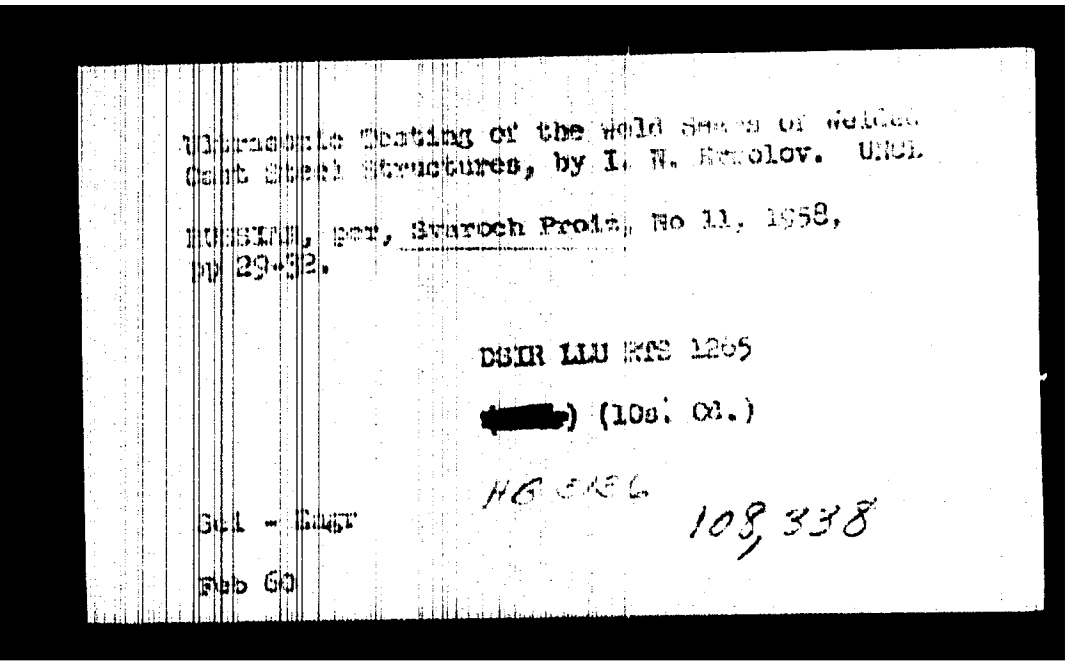

Ultrasonic Testing of the Weld Seams of Welded Cast Steel Structures, by I. N. Kesolov. UNCL

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108,338

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The Economy of Aircair Cutting, by I. S. Shapiro.
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pp 33-34.

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Equipment for Welding by Friction of a Lathe,
by M. I. Kunin, A. I. Korabler. USCL

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May 60

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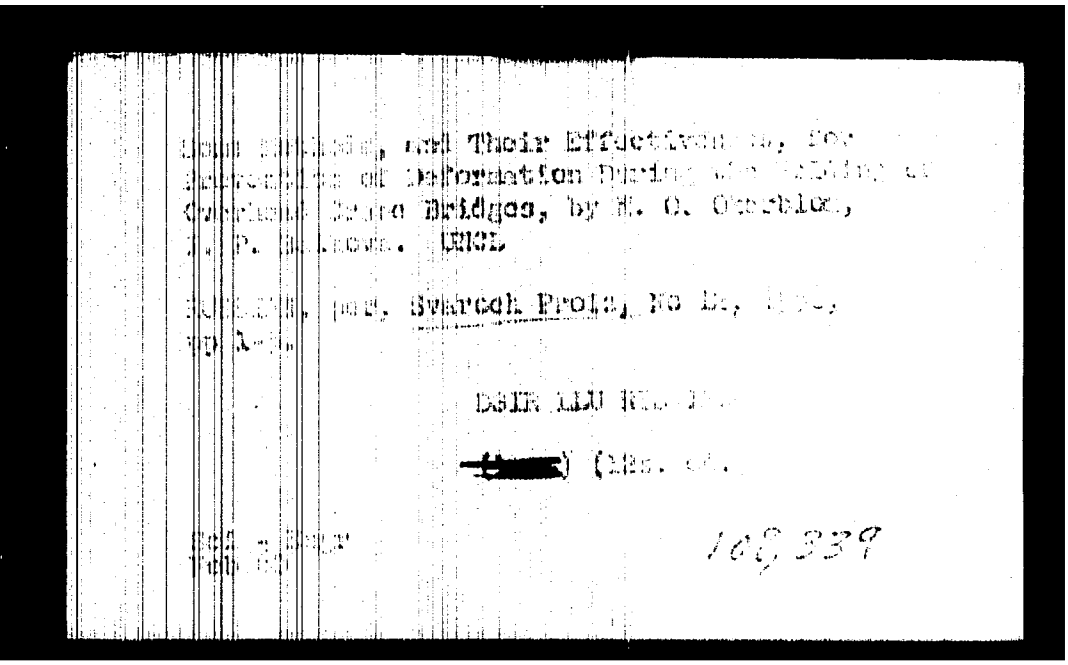

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of Information Purposes with Regard to
Severn Bridges, by H. O. Crosbie,
P. [illegible]. ERDL

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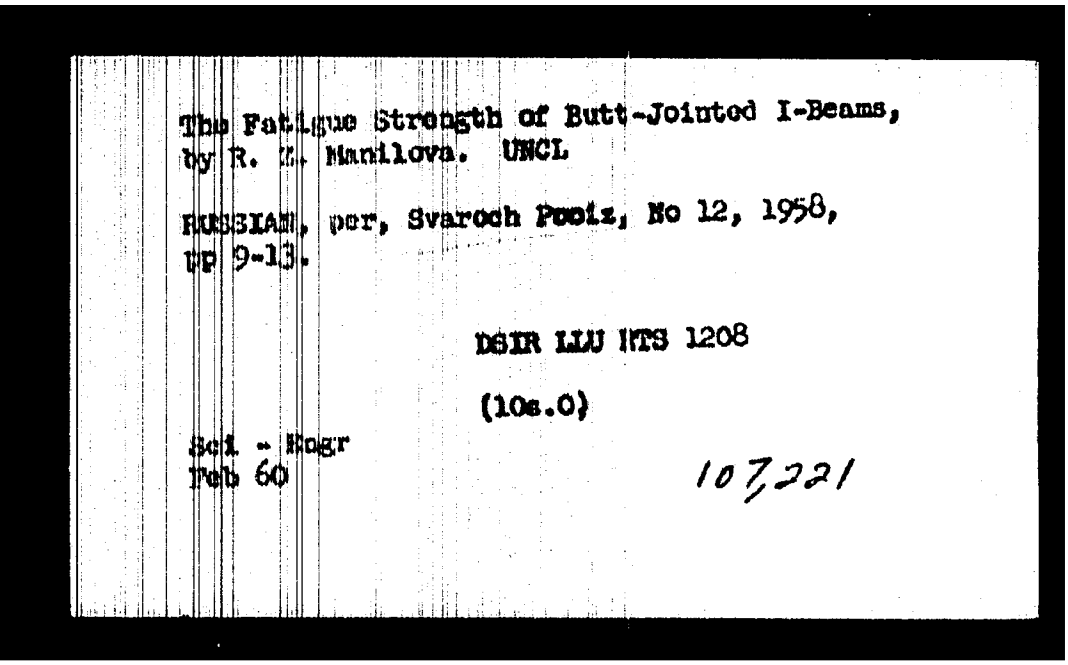

The Fatigue Strength of Butt-Jointed I-Beams,
by R. Z. Manilova. UNCL

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pp 9-13.

DSIR LLL MTS 1208

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The Thermal Balances and Materials for Oxygen Cutting, by S. G. Guzov. UMIL

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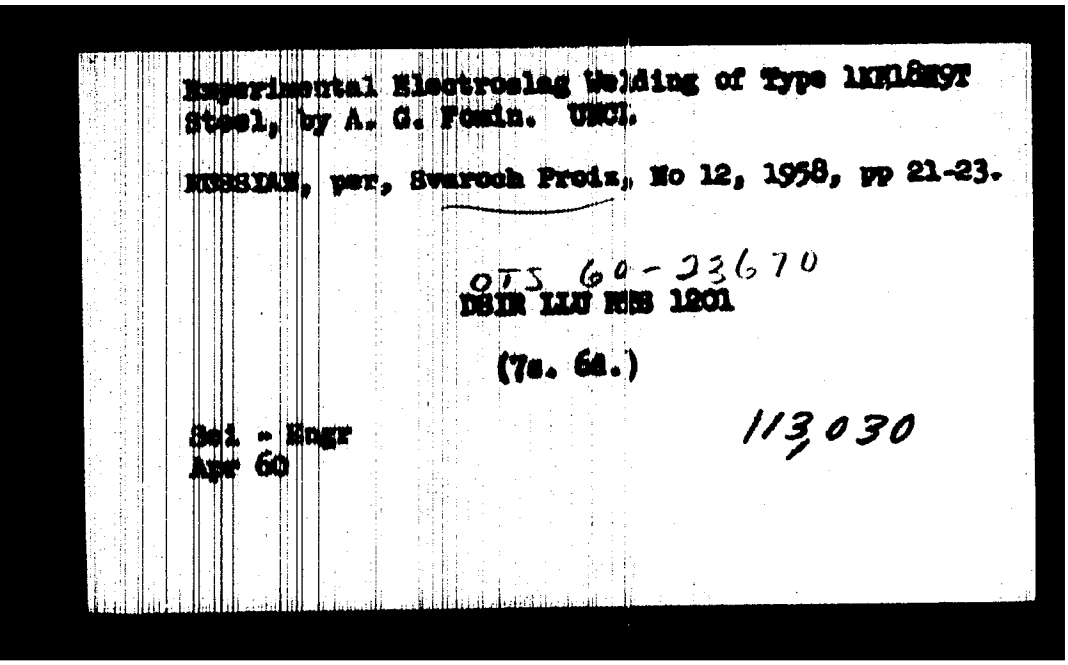

Experimental Electroslag Welding of Type 1Kh18N9T Steel, by A. G. Fomin. USCI.

RUSSIAN, per, Svarochn Proiz., No 12, 1958, pp 21-23.

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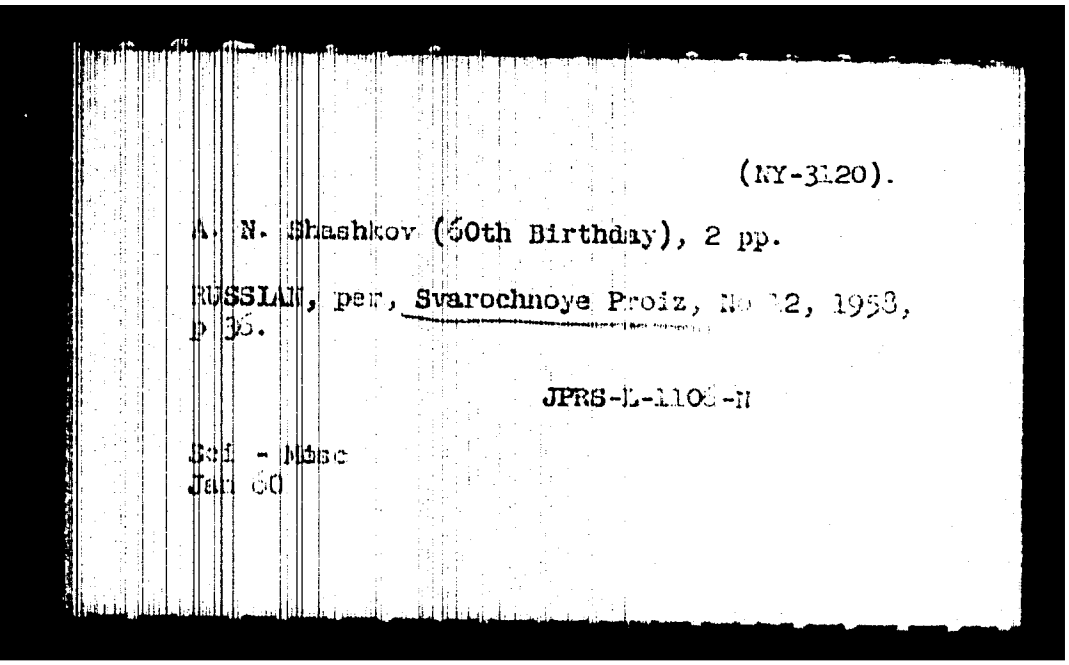

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RUSSIAN, per, Svarochnoye Proiz, No 12, 1958, p 36.

JPRS-L-1103-N

Sov - Misc
Jan 60

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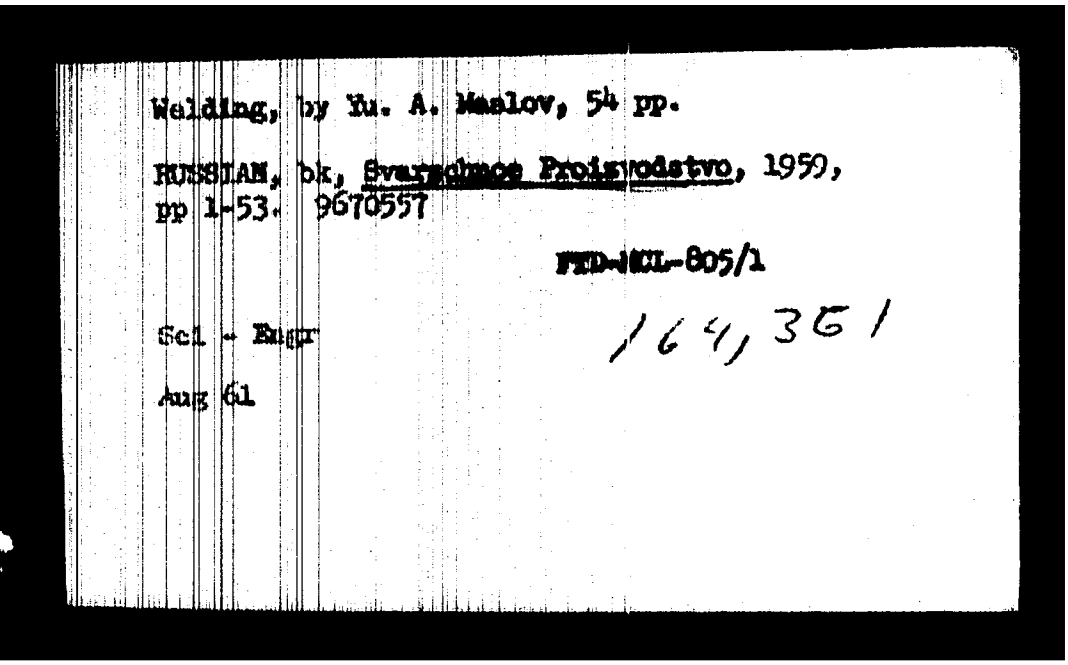

Welding, by Yu. A. Maslov, 54 pp.

RUSSIAN, bk, Svarochnoe Proizvodstvo, 1959,
pp 1-53. 9670557

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164,361

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Aug 61

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Krupin, A. P.
PHYSICO-CHEMICAL PROCESSES AT SPRAY METALLIZATION (K Voprosu o Fiziko-Khimicheskikh Protsessakh pri Metallizatsii Raspyleniem). [1963] 17p] (foreign text included) 7refs
Order from OTS, SLA, or ETC $1.60 TT-64-14059

Trans. of Svarochnoe Proizvodstvo (USSR) 1959, no. 5, p. 17-20.

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TT-64-14059

1. Krupin, A. F.

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Manual Electroarc Welding, by Yu. A. Maslov,
17 pp.

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Aug 61

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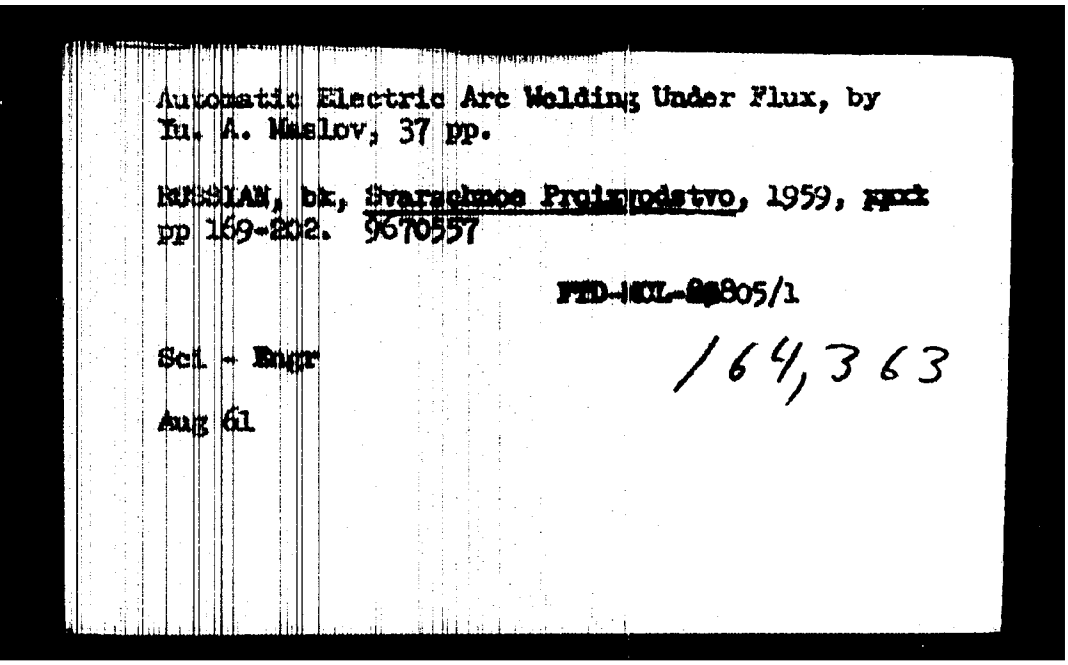

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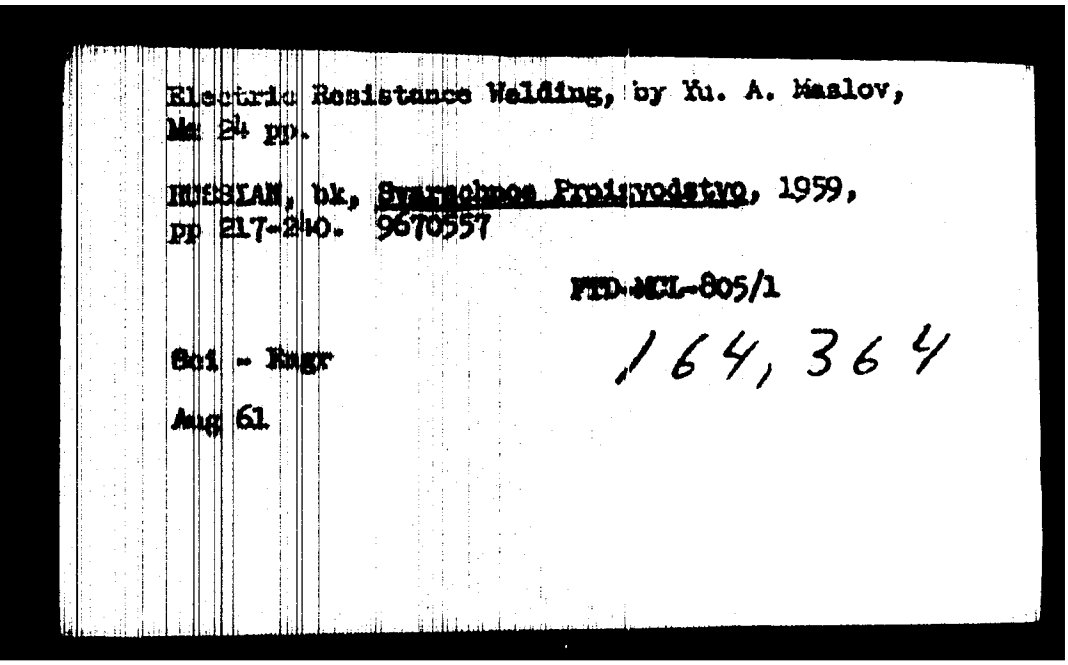

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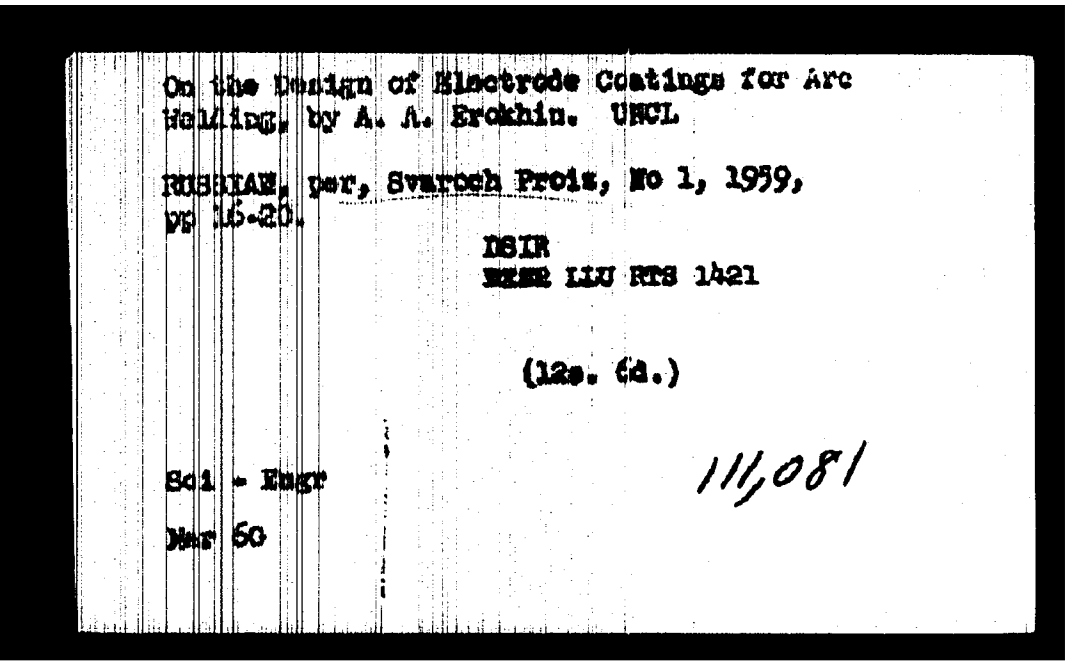

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RUSSIAN, per, Svarochn Proiz, No 1, 1959, pp 16-20.

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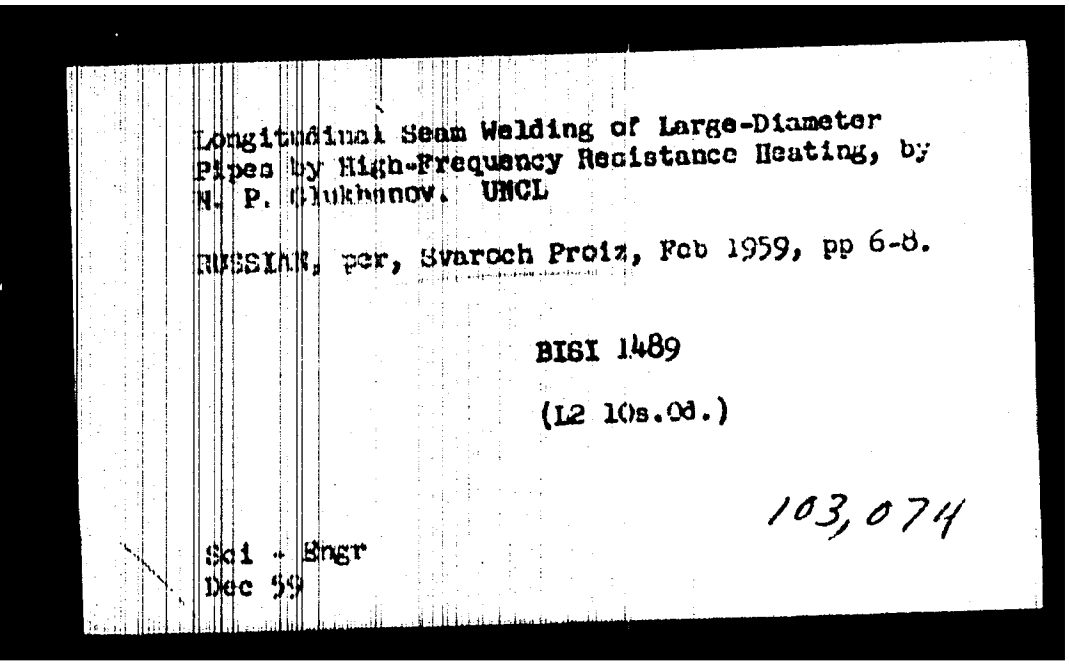

Longitudinal Seam Welding of Large-Diameter Pipes by High-Frequency Resistance Heating, by N. P. Glukhanov. UNCL

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